JAWSS TECH

承 認 書

SPECIFICATION FOR APPROVAL

貴 公 司 鈺緯
CUSTOMER

產品名稱 MINI 9P/F TO DB 9P/M CABLE
DESCRIPTION

使用機種 3KC0000521A (K0717)
YOUR MODEL NO

品名代號 13-210-E008
PART NO

發送日期 08/26/2026
SENDING DATE

公司承認章 OUR CONFIRMED SIGNET	貴公司承認章 YOUR CONFIRMED SIGNET
兆鈺科技股份有限公司	設計驗證工程課 2026-09-14 發行 鈺緯科技開發股份有限公司

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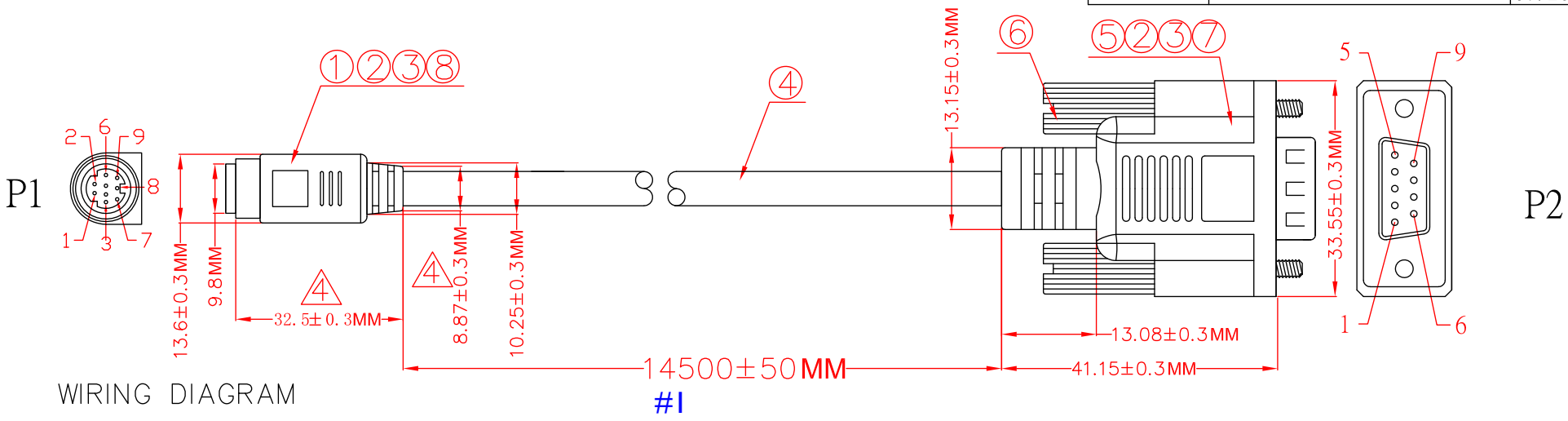
RoHS Compliant

Revision	Modify Record	Date
A/5	變更MINI DIN供應商	07/28/2026

Revision	Modify Record	Date
A/0	作 圖	03/28/2013
A/1	修改P1,MINI DIN 9P插頭與P2,DB9P母頭改公頭	05/24/2013
A/2	更改客戶料號為3KC00005210及補上插頭廠商與料號,線材印字	02/06/2015
A/3	補上螺絲廠商名稱	06/29/2015
A/4	更改MINI DIN 模型尺寸	07/26/2016



WIRING DIAGRAM

P1		P2
1	黑色	1
2	棕色	2
3	紅色	3
4	黃色	4
5	綠色	5
6	藍色	6
7	紫色	7
8	灰色	8
9	白色	9
SHELL		SHELL

設計驗證工程課 2026-09-14 發行 (兆鈺科技實業股份有限公司)

線材外被印字如下:(字高1.2MM,印白字)

E119932-U 乃 AWM 2464 80°C 300V 26AWG VW-1----------C 乃
AWM I/IIA 80°C 300V 26AWG FTI COPARTNER

MINI DIN 9PIN FEMALE模具編號:

內模:JAW-BOB-0197
外模:JAW-BOB-0198

3KC0000521A(K0717)

No.	Part No.	Q'ty	Units	Specification
8	50-9015-0008	1	PCS	PVC HEAT SHRINK TUBE BLCAK 1.5*8MM
7	50-9015-0015	1	PCS	PVC HEAT SHRINK TUBE ø1.5*15MM BLACK
6	88-2401-02	2	PCS	SCREW #4-40 37.5MM NICKEL PLATED(建信昌)
5	3600-JP-0901	1	PCS	DB9P MALE SOLDER TYPE 焊線前鎳後錫黑膠(涌泉 YQ-DB-09FBSiSS)
4	25-0926-011458	1	PCS	UL2464 26#+9C+AEB OD:6.0MM(96B) BLACK L:14580MM
3	89-1001-0050	40	g	OUTER MOLDED PVC 50% BLACK
2	89-0000-0000	16	g	INNER MOLDED P.E
1	68-2202-0901	1	PCS	MINI DIN 9PIN FEMALE MOLD(輔泰 GT-MD-030)

JAWSSTECH 兆鈺科技有限公司
JAWSSTECH TECHNOLOGIES LIMITED
地址:臺灣 新北市汐止區大同路二段171號3樓之3
TEL:886-02-86926686 FAX:886-02-86926343 Web:www.jawscable.com

Quality Symbols: ■ RoHS Compliant ☐ UL Approved

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Description	MINI 9P/F TO DB 9P/M CABLE		
Customer Name	YU WEI	Drawing No.	20130314
Customer No.	3KC0000521A	Designed By	ZHANGYANGWU
Produce No.	13-210-E008	Approved By	
Date	03/24/2013	Scale	Not to scale

Third Angle Projection

Units: ■ MM ☐ Inch

Size: A4

RoHS Compliant

Revision	Modify Record	Date
A/5	變更MINI DIN供應商	07/28/2026

Revision	Modify Record	Date
A/0	作 圖	01/10/2014
A/1	修改P1,MINI DIN 9P插頭與P2,DB9P母頭改公頭	05/24/2013
A/2	更改客戶料號為3KC00005210及補上插頭廠商與料號,線材印字	02/06/2015
A/3	補上螺絲廠商名稱	06/29/2015
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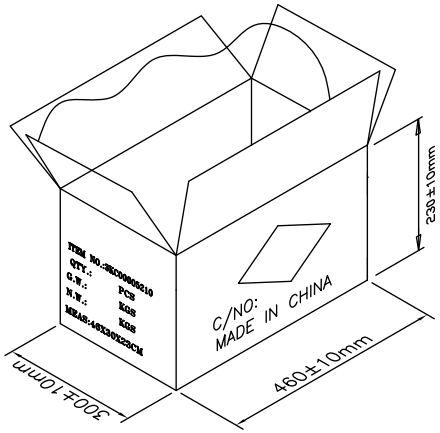

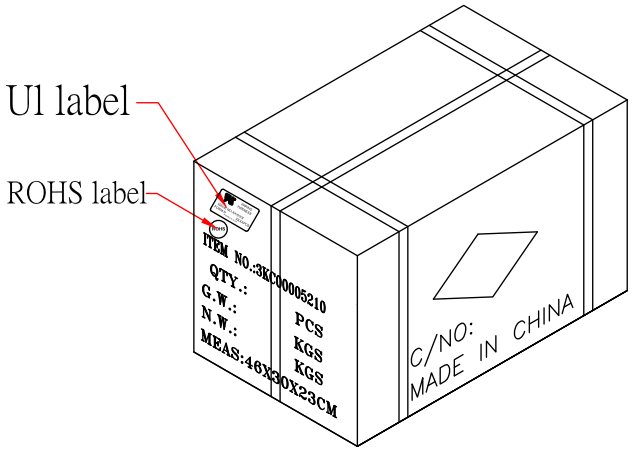

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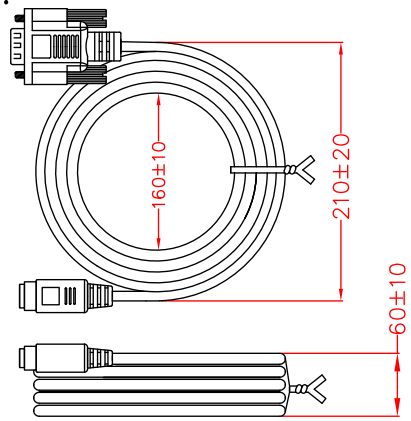

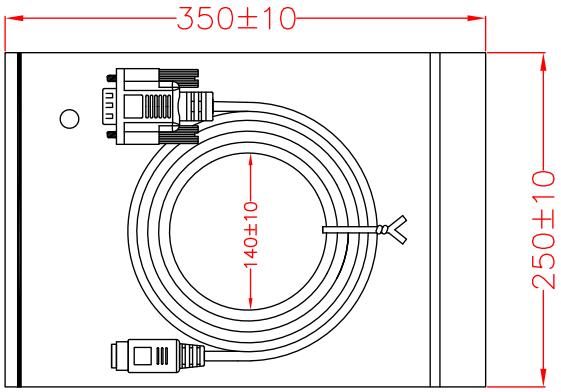

ITEM NO.:3KC00005210
QTY.: PCS
G.W.: KGS
N.W.: KGS
MEAS:46X30X23CM

Side

C/NO:
MADE IN CHINA

Front

設計驗證工程課
2026 -09- 14
發行
兆鈺科技實業股份有限公司

WIRING HARNESS
ISSUE NO.XXXXXX
FORM N XXXXPCS
PRINTED IN U.S.A

ROHS label
Ul label

ROHS

PE bag printing contect:

3KC0000521A(K0717)

04 Recyclable

PLASTIC BAGS CAN BE DANGEROUS TO AVOID DANGER OF SUFFOCATION KEEP THIS WRAPPER AWAY FROM BABIES AND CHILDREN

No.	Part No.	Q'ty	Units	Specification
4	95-001-00035		PCS	φ35mm ROHS label
3	99-030004428		PCS	PASTEBOARD: 440(L)*280(W)MM(A=A)
2	98-040072535	1	PCS	PE BAG:350(L)*250(W)*0.07(T)MM
1	99-010463023		PCS	CARTON: 460(L)*300(W)*230(H)mm

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TEL:886-02-86926686 FAX:886-02-86926343 Web:www.jawscable.com

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Description	MINI 9P/F TO DB 9P/M CABLE		
Customer Name	Yu Eei	Drawing No.	20130314
Customer No.	3KC0000521A	Designed By	Zou Meiling
Produce No.	13-210-E008	Approved By	
Date	03/24/2013	Scale	Not to scale

Third Angle Projection

Units ■ MM □ Inch

Size A4

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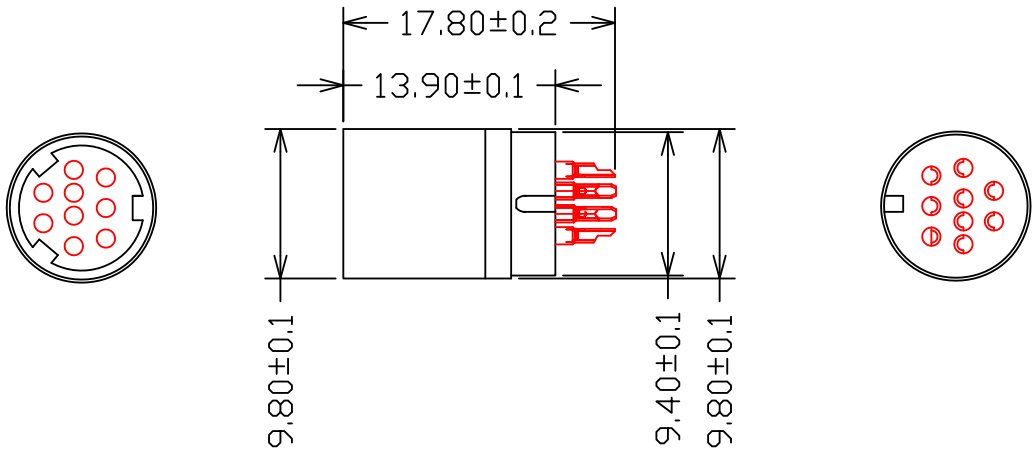

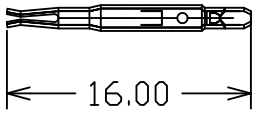

主要技术特性要求:

1. 环境温度: −25~80°
2. 相对湿度: 95% (40°)
3. 额定负荷: 1A 100V AC
4. 接触电阻: ≤30 mΩ
5. 绝缘电阻: ≥80MΩ
6. 耐压: 500V AC(50Hz)1min
7. 插拔力: 2±1公斤
8. 插拔寿命: 3000次
9. 公母端对插单PIN拔出力>20g

序号	变更日期	变更内容	标示	名称	材质	处理
			A	绝缘体	PBT	黑色
			B	端子	磷铜	镀锡
			C	铜管	H65黄铜(CU)	镀镍(NI)80u"

东莞市赣泰电子有限公司

TOLERANCE .xxx ±0.10 .xx ±0.20 .x ±0.30 x ± ANGLE ±1°	TITLE: MD小9P母				
	PART NO:	DRAWING NO.: GT-MD-030			
	SHEET: 1 / 1	SCALE: 1 / 1	UNIT mm	SIZE A4	REV A
	APPD.	CHECK	DRAWN		

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物质安全资料表（MSDS）

一、物品与厂商资制

物品名称：C5191
厂商：江西科美格新材料有限公司
地址：江西省上饶市铅山县工业园区
电话：0793-5327699

二、成分辨识资料

化学名称	铜 Cu	锡 Sn	锌 Zn	镍 Ni	磷 P	铅 Pb	铁 Fe
含量	余量	5.5-7.0	≤0.2	0.28-0.3	0.1-0.18	≤0.01	≤0.02
化学文摘社登记号码	7440-50-8	7440-31-5	7440-66-6	7440-02-0	7723-14-0	7439-92-1	7439-89-6
危害物质	无						

三、危害辨识资料

最重要危害效应	健康危害效应：无相关资料。
	环境影响：对于环境无危险妨害。
	物理性及化学性危害：无。
	特殊危害：无。
主要症状：无。	
物品危害分类：无相关资料。	
本制品属于固体金属物体，不被定义成危险有害物质，并无有害性及不具有危险性但分条切割后边角，如因作业疏忽不当，则有危害性。	

四、急救措施

不同暴露途径之急救方法： 吸入：无相关资料。 皮肤接触：无相关资料。 眼睛接触：无相关资料。 食入：无相关资料。
最主要症状及危害效应：无相关资料。
对急救人员之防护：无相关资料。
对医师之提示：无相关资料

五、灭火措施

灭火时可能遭遇之特殊危害：不燃物，不适用。
适用灭火剂：不燃物，不适用。
特殊灭火程式：不燃物，不适用。
消防人员之特殊防护设备：不燃物，不适用

扫描全能王 创建

六、泄露处理方法：

个人应注意事项：固体物质，不适用。
环境注意事项：固体物质，不适用。
方法：固体物质，不适用。

七、安全处置与储存方法

处置： 1、 板材制品之边缘及端面可能造成皮肤割伤需小心处置。 2、 机械加工时如有金属粉尘，应小心研究及皮肤接触，请佩戴保护器具。 3、 金属类制品因品质，易因操作不当而压伤，在吊挂搬运时需注意避免掉落之危险（对于行车及堆高机操作人员 需经过专业训练并取得使用资格）。 4、 制品成卷状时有卷曲张力存在，剪断打包带时应注意尾端弹起造成伤害。
储存： 1、 储存于干燥通风良好之室内即可，因其在潮湿高温下容易产生氧化。 2、 避免暴露于室外或温湿度高之密闭空间。避免与酸、碱等有腐蚀性物质一起储放。

八、暴露预防措施

工程控制：机械加工场所中，若产生烟雾及粉尘时，必要有通风设备及集压装置。
个人防护设备： 呼吸防护：呼吸防尘器具，佩戴呼吸防尘口罩。 手部防护：工作防护手套。 眼睛防护：护目镜。 皮肤及身体防护：适当之工作服、安全鞋。
卫生措施：无相关资料。

九、物理及化学性

物质状态：固态	形状：依制品件（卷/片）
颜色：紫色光泽表面	气味：无味

扫描全能王 创建

十、安定性及反应性

安定性：稳定。一般环境状况下安全。
特殊状况下可能之危害反应：无相关资料。
应避免之状况:无相关资料。
应避免之物质：酸、碱物质类。
危害分解物：无相关资料。

十一、毒性资料

急毒性：无相关资料。
局部效应：无相关资料。
致敏感性：无相关资料。
慢毒性或长期毒性：无相关资料。

十二、生态资料

可能之环境影响/环境流布：无相关资料。

十三、废弃处置方法

废弃处置方法： 属于危害性废弃物，且为可回收之资源类不适用于环保废弃物管理条例。

十四、运送资料

国际运送规定：无相关资料。
国内运送规定：依据道路交通安全法法则。
特殊运送方法及注意事项：运送本产品勿直接与水接触，勿挤压碰撞，并注意有滑落及翻覆危险性。

十五、法规资料

适用法规：无特定法令规定，但工作场所依劳工安全卫生法劳工作业规定。

十六、其他资料

参考文献	电子信息产品污染控制管理办法
制表单位	名称：江西科美格新材料有限公司
	地址：江西省上饶市铅山县工业园区
	电话/传真：0793-5327699
制表日期	2022 年 6 月份

扫描全能王 创建

物質安全資料表（MSDS）

一、物品與廠商資料

物品名稱：PBT
物品編號：GP5386
製造商或供應商名稱、地址及電話：東莞市松夢塑料科技有限公司、東莞市厚街鎮大邊村委會石馬小組工業區（0769-85816271）
緊急聯絡電話/傳真電話：TEL: 0769-85816271/FAX: 0769-85816270

二、成分辨識資料

純物質：

中英文名稱： 無
同義名稱： 無
化學文摘社登記號碼(CAS No.)： 無
危害物質成分(成分百分比) ： 無

混合物：

化學性質：		
危害物質成分之中英文名稱	濃度或濃度範圍(成分百分比)	危害物質分類及圖式
PBT 樹脂	67%	
增韌劑	12%	
玻纖	20%	
色粉(黑种)	適量	

三、危害辨識資料

最重要危害效應	健康危害效應：不可食用
	環境影響：環保產品，ROHS 六項環保
	物理性及化學性危害：受熱分解或燃燒發出有毒性氣體
	特殊危害： 無
主要症狀：誤食後引起嘔吐，腹脹或中毒現象	
物品危害分類：	

四、急救措施

不同暴露途徑之急救方法： • 吸入：將患者移至通風處，休息立即送醫。 • 皮膚接觸：用大量水沖洗 • 眼睛接觸：用水沖洗眼睛至少 15 分鐘 • 食入： ，催吐，喝水漱口，若有不適，立即送醫。
最重要症狀及危害效應： 無
對急救人員之防護： 無
對醫師之提示： 無

五、滅火措施

適用滅火劑：水、二氧化碳、化學乾粉
滅火時可能遭遇之特殊危害：燃燒或高溫後產生 HCl 有毒氣體造成空氣污染
特殊滅火程式： 無
消防人員之特殊防護設備： 使用供氧式呼吸防護具

六、洩漏處理方法

個人應注意事項：無
環境注意事項：爲防止鳥類或魚類由排水系統中攝食，須徹底回收
清理方法：回收或廢棄

七、安全處置與儲存方法

處置： 避免類似化學物質長期緊密接觸，不可在高於產品所示額定溫度環境內長期放置及使用，非特殊產品與油類，有機類三種物質長期接觸
儲存：存放於陰涼處所 避免存放於酸性及鹼性環境中。 嚴禁煙火

八、暴露預防措施

工程控制： 無
控制參數： 無 • 八小時日時量平均容許濃度/短時間時量平均容許濃度/最高容許濃度： • 生物指標： 無
個人防護設備： • 呼吸防護：無 • 手部防護：無 • 眼睛防護：無 • 皮膚及身體防護： 無
衛生措施： 無

九、物理及化學性質

物質狀態： 固態	形狀： 粒狀
顏色： 黑色	氣味： 無味
pH 值： 中性	沸點/沸點範圍：無
分解溫度：280℃	閃火點：無 測試方法：無
自燃溫度：300℃	爆炸界限： 無
蒸氣壓： <0.02hpa(at22℃) (塑膠)	蒸氣密度： 無
密度： 1.5g/cm³ (at22℃) (塑膠) 8.89g/cm³ (Cu)	溶解度：0.52%(at22℃) (塑膠)

十、安定性及反應性

安定性： 依一般操作及儲存程式時，安定性佳。
特殊狀況下可能之危害反應： 無
應避免之狀況： 高溫及酸性環境
應避免之物質： 強酸、火
危害分解物： CO、CO_2、HCl

急毒性： 無

局部效應： 無

致敏感性： 無

慢毒性或長期毒性： 無

特殊效應： 無

十二、生態資料

可能之環境影響/環境流佈：無

十三、廢棄處置方法

廢棄處置方法：出售或回收再利用

十四、運送資料

國際運送規定：無

聯合國編號： 無

國內運送規定： 無

特殊運送方法及注意事項：運輸過程中不能有碰撞及擠壓

十五、法規資料

適用法規：

勞工安全衛生設施規則　　危險物及有害物通識規則

十六、其他資料

參考文獻		
製表單位	名稱：東莞市松燊塑料科技有限公司	
	地址/電話：(0769)85816271	
製 表 人	職稱： 總經理	姓名(簽章)：劉福軍
製表日期	2009 年 01 月 04 日	

注：上述資料已力求正確,但錯誤恐仍難免,各項數據與資料僅供參考,使用者請依應用需求自行負責判其可用性.

SDS 服务概要

编号: CANEC25011477902　日期: 2025 年 05 月 21 日　

SGS 工作编号	:	SZP25-024624
产品名称	:	黄铜
生产商 / 供应商	:	汕头市新阳金属制品实业有限公司
产品成份/原料(由申请商提供)	:	见 SDS 正文第三部分'成分/组成信息'
收到此服务要求日期	:	2025 年 05 月 19 日
SDS 制作时期	:	2025 年 05 月 19 日-2025 年 05 月 21 日
所需服务	:	根据客户提交的信息为产品编制安全技术说明书(SDS)，并根据客户提交的成分和欧盟委员会法规(EC) No 1272/2008 计算分类和标签要求。
概要	:	根据客户要求，此安全技术说明书的内容和格式是根据欧盟委员会法规(EC) No 1907/2006、(EC) No 1272/2008 及(EU) No 2020/878 编制而成，具体内容请见所附的 SDS 正文。

免责声明

本安全技术说明书 (SDS) 提供给申请人, 以履行欧盟委员会法规 (EC) No 1907/2006, 并通过供应链传达化学品的危害信息以确保安全使用。 它不是确保产品安全的测试报告或证书。
SGS 已根据申请人提供的文件（即产品名称、供应商详细信息、产品成分、适用的物理数据等）整合产品信息，而 SGS 并没有进行独立验证，对所提供的信息的正确性不作任何明示或暗示的保证。

钟臻
项目工程师

化学品安全技术说明书
欧盟法规 (EC) No. 1907/2006 及 1272/2008

打印日期: 2025.05.21　　版本序号: 1　　在 2025.05.19 审核

1 部分: 化学品及企业标识

· **1.1 产品识别**

· **商品名: 黄铜**
· **UFI:** PD20-H00M-F00W-KP51

· **1.2 物质/混合物的有关使用信息及禁止用途**
· **物质/混合物的用途:** 生产电子产品

· **1.3 安全技术说明书内供应商详细信息**
· **生产商/供应商:** 汕头市新阳金属制品实业有限公司
· **地址:** 广东省汕头市潮阳区金灶镇径头村象地
· **电话:** 0754-83386988
· **电邮:** 1158670802@qq.com

· **唯一代表/欧盟联络人:** 无相关详细资料

· **1.4 紧急联系电话号码:**
IRELAND
National Poisons Information Centre
Tel: +353 (01) 809 2566 (For healthcare professionals)
+353 (01) 809 2166 (For public: 8am - 10pm)

· **1.5 参考编号:** CANEC25011477902,SZP25-024624

· **1.6 备注:**
该产品可被归类为不含有有意释放物质的物品,且不属于法规 (EC) No 1907/2006所要求编制SDS的范围内。本SDS仅作参考之用。

2 部分: 危险性概述

· **2.1 物质或者混合物危险性类别**
· **根据欧盟法规 (EC) No. 1272/2008进行分类**



GHS08 健康危害

生殖毒性	第1A类	H360FD-H362	可能对生育力造成伤害。可能对胎儿造成伤害。 可能对母乳喂养的儿童造成伤害



GHS09 环境

对水环境的危害(急性)	第1类	H400	对水生生物毒性极大
对水环境的危害(慢性)	第1类	H410	对水生生物毒性极大并具有长期持续影响

· **有关对人类和环境有害的资料:** 按欧盟法规 (EC) No. 1272/2008 的计算方法,本产品需要被标签。

· **分类系统:** 依照最新版本的欧盟法规 (EC) No. 1272/2008 而分类, 并以公司和文献数据进行扩充。

· **2.2 标签要素**
· **根据欧盟法规 (EC) No. 1272/2008 进行标签**
本产品根据欧盟物质和混合物的分类、标签及包装相关的CLP法规进行了分类及标签。
· **象形图**



GHS08　GHS09

· **信号词:** 危险

· **标签上辨别危险的成分:**
铅 (3.29 %)

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· **危险说明**
H360FD-H362 可能对生育力造成伤害。可能对胎儿造成伤害。 可能对母乳喂养的儿童造成伤害
H410 对水生生物毒性极大并具有长期持续影响
· **防范说明**
· **预防措施**
P260 不要吸入粉尘/气体
P263 怀孕/哺乳期间避免接触
P273 避免释放到环境中
P280 戴防护手套/穿防护服/戴防护眼罩/戴防护面具
· **安全储存**
P405 存放处须加锁
· **废弃处置**
P501 处置内装物/容器按照地方/区域/国家/国际规章

· **额外资料:**
EUH201 含有铅。不能用于儿童咀嚼或吸入产品的表面。
EUH208 含有 镍. 可能引起过敏反应
仅限于专业用户

· **2.3 其它危害:**
· **PBT (持久性、生物累积性和毒性物质) 及 vPvB (高持久性和高生物累积性物质) 评价结果**
· **PBT (持久性、生物累积性和毒性物质):** 不适用
· **vPvB (高持久性和高生物累积性物质):** 不适用
· **内分泌干扰特性的测定** 不适用

3 部分: 成分/组成信息

· **3.2 混合物**
· **描述:**
由以下含有无害添加剂的成分组成的混合物
危险说明请参阅第16部分

· **成分:**

CAS: 7440-50-8 EINECS: 231-159-6	铜 具有工作场所接触限值的物质	58.02%
CAS: 7440-66-6 EINECS: 231-175-3	锌 对水环境的危害(急性) 第1类, H400; 对水环境的危害(慢性) 第1类, H410 具有工作场所接触限值的物质	37.3%
CAS: 7439-92-1 EINECS: 231-100-4 索引编号: 082-014-00-7	铅 生殖毒性 第1A类, H360FD-H362; 对水环境的危害(慢性) 第1类, H410 (M=10) 具有工作场所接触限值的物质	3.29%
CAS: 7440-31-5 EINECS: 231-141-8	锡 具有工作场所接触限值的物质	0.539%
CAS: 7439-89-6 EINECS: 231-096-4	铁	0.467%
CAS: 7440-02-0 EINECS: 231-111-4 索引编号: 028-002-00-7	镍 致癌性 第2类, H351; 特定靶器官系统毒性（重复接触）第1类, H372; 敏化(皮肤) 第1类, H317 Note: S, 7 具有工作场所接触限值的物质	0.242%
CAS: 7440-69-9 EINECS: 231-177-4	铋	0.0521%

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CAS: 7429-90-5 EINECS: 231-072-3	铝 具有工作场所接触限值的物质	0.0309%
CAS: 7440-21-3 EINECS: 231-130-8	硅 具有工作场所接触限值的物质	0.0196%
CAS: 7440-48-4 EINECS: 231-158-0 索引编号: 027-001-00-9	钴 敏化(呼吸)　第1类, H334; 生殖细胞致突变性　第2类, H341; 致癌性　第1B类, H350; 生殖毒性　第1B类, H360F; 敏化(皮肤)　第1类, H317; 对水环境的危害(慢性)　第4类, H413 具有工作场所接触限值的物质	0.0133%
CAS: 7440-36-0 EINECS: 231-146-5	锑 致癌性　第2类, H351; 特定靶器官系统毒性（重复接触）　第2类, H373 具有工作场所接触限值的物质	0.0073%
CAS: 7440-47-3 EINECS: 231-157-5	铬 具有工作场所接触限值的物质	0.0069%
CAS: 7440-67-7 EINECS: 231-176-9 索引编号: 040-001-00-3	锆 具有工作场所接触限值的物质	0.0049%
CAS: 7439-96-5 EINECS: 231-105-1	锰 具有工作场所接触限值的物质	0.0047%
CAS: 7440-43-9 EINECS: 231-152-8 索引编号: 048-002-00-0	镉[非发火的] 急性毒性(吸入)　第2类, H330; 生殖细胞致突变性　第2类, H341; 致癌性　第1B类, H350; 生殖毒性　第2类, H361fd; 特定靶器官系统毒性（重复接触）　第1类, H372; 对水环境的危害(急性)　第1类, H400; 对水环境的危害(慢性)　第1类, H410 具有工作场所接触限值的物质	0.0023%

· **SVHC**

7439-92-1	铅

4 部分: 急救措施

· **4.1 应急措施要领**
· **吸入:** 供给新鲜空气,如果病人感到不适时要询问医生。
· **皮肤接触:** 一般的产品不会刺激皮肤。
· **眼睛接触:** 张开眼睛在流水下冲洗数分钟。
· **食入:** 如果症状仍然持续, 请咨询医生。

· **4.2 最重要的急慢性症状及其影响:** 无相关详细资料。

· **4.3 需要及时的医疗处理及特别处理的症状:** 无相关详细资料。

5 部分: 消防措施

· **5.1 灭火剂**
· **适用灭火剂:** 使用适合四周环境的灭火措施。

· **5.2 物质或混合物的特别危害:** 在加热期间或失火的情况下,产生有毒气体。

· **5.3 给消防人员的资料**
· **防护装备:** 口腔呼吸保护装置。

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6 部分: 泄漏应急处理

· **6.1 个人防护措施、防护装备和应急处置程序:** 装上呼吸保护装置。

· **6.2 环境保护措施:**
切勿让产品接触到污水系统或任何水源。
如果渗入了水源或污水系统,请通知有关当局。
切勿让其进入下水道/水面或地下水。

· **6.3 收容和清除泄漏物的方法及材料:**
根据第 13 部分弃置受污染物。
确保有足够的通风装置。

· **6.4 参照其他部分:**
有关安全处理的资料请参阅第 7 部分。
有关个人防护装备的资料请参阅第 8 部分。
有关弃置的资料请参阅第 13 部分。

7 部分: 操作处置与储存

· **7.1 安全操作处置的预防措施:**
确保工作间有良好的通风/排气装置。
小心打开及处理贮藏器。
一般职业性卫生措施请参阅第 8 部分。
· **有关火灾及防止爆炸的资料:** 提供呼吸保护装置。

· **7.2 安全储存条件,包括任何不兼容性**
· **储存库和容器需要达到的要求:** 没有特别的要求。
· **有关储存于共用储存设施的资料:**
储存的地方必须远离食品。
储存的地方必须远离水源。
· **有关储存条件的更多资料:** 将容器密封。

· **7.3 特定最终用途:** 无相关详细资料。

8 部分: 接触控制和个体防护

· **8.1 控制参数**

· **在工作场所需要限值监控的成分:**	
CAS: 7440-50-8 铜 (58.02%)	
MAK (D)	PC-TWA: 0.01 A mg/m³ als Cu
VLEP (F)	PC-STEL: 2** mg/m³ PC-TWA: 0.2* 1** mg/m³ *fumées **poussières, en Cu
OEL (IE)	PC-TWA: 0.2* 1** mg/m³ *fume **dusts and mists
CAS: 7440-66-6 锌 (37.3%)	
MAK (D)	PC-TWA: 0.1A* 2E** mg/m³ *alveolengängig; **einatembar
CAS: 7439-92-1 铅 (3.29%)	
BOELV (EU)	PC-TWA: 0.15 mg/m³ as Pb
MAK (D)	vgl.Abschn.XII

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商品名： 黄铜

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VLEP (F)	PC-TWA: 0.15 mg/m³
OEL (IE)	PC-TWA: 0.15 mg/m³ Repr1A, BOELV
CAS: 7440-31-5 锡 (0.539%)	
MAK (D)	vgl.Abschn.IIb
OEL (IE)	PC-STEL: 0.2** mg/m³ PC-TWA: 2* 0.1** mg/m³ IOELV,*metal, oxide, inorg.compds.,**org. compds.
CAS: 7440-02-0 镍 (0.242%)	
AGW (D)	PC-TWA: 0.006A; 0.030E* mg/m³ 8(II);AGS, 24, Sh, Y, 10*, 31*
VLEP (F)	PC-TWA: 1 mg/m³ C2
OEL (IE)	PC-TWA: 0.5 mg/m³ Sens
CAS: 7429-90-5 铝 (0.0309%)	
AGW (D)	PC-TWA: 1.25* 10** mg/m³ 2(II);*alveolengängig**einatembar; AGS, DFG, Y
VLEP (F)	PC-TWA: 5* 10** mg/m³ *pulvérulent **métal
OEL (IE)	PC-TWA: 1* mg/m³ *metal, respirable fraction
CAS: 7440-21-3 硅 (0.0196%)	
VLEP (F)	PC-TWA: 10 mg/m³
OEL (IE)	PC-TWA: 10* 4** mg/m³ *total inhalable **respirable dust
CAS: 7440-48-4 钴 (0.0133%)	
MAK (D)	einatembare Fraktion; vgl.Abschn.XIII
OEL (IE)	PC-TWA: 0.02 mg/m³ as Co; Sens.
CAS: 7440-36-0 锑 (0.0073%)	
MAK (D)	vgl.Abschn.XII
VLEP (F)	PC-TWA: 0.5 mg/m³
OEL (IE)	PC-TWA: 0.5 mg/m³ as Sb
CAS: 7440-47-3 铬 (0.0069%)	
IOELV (EU)	PC-TWA: 2 mg/m³ as Cr
AGW (D)	PC-TWA: 2 E mg/m³ 1(I);10, EU
VLEP (F)	PC-TWA: 2 mg/m³ en Cr
OEL (IE)	PC-TWA: 2 mg/m³ IOELV
CAS: 7440-67-7 锆 (0.0049%)	
MAK (D)	vgl Abschnitt IIb
OEL (IE)	PC-STEL: 10 mg/m³ PC-TWA: 5 mg/m³ as Zr

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CAS: 7439-96-5 锰 (0.0047%)	
IOELV (EU)	PC-TWA: 0.2* 0.05** mg/m³ as Mn; *inhalable, **respirable fraction
AGW (D)	PC-TWA: 0.02A; 0.2E mg/m³ 8(II);DFG,Y,10, 20
VLEP (F)	PC-TWA: 0.05* 0.20** mg/m³ *fraction alvéolaire **inhalable; en manganèse
OEL (IE)	PC-STEL: 3* mg/m³ PC-TWA: 0.2(I) 0.05(R) 0.02(R)* mg/m³ IOLEV; *fume
CAS: 7440-43-9 镉[非发火的] (0.0023%)	
BOELV (EU)	PC-TWA: 0.001 (0.004)* mg/m³ *until 11/7/2027
AGW (D)	PC-TWA: 0.002 (E) mg/m³ 8(II);AGS, X, 10, 39; als Cd
TRGS 910 (D)	PC-STEL: 0.002 (A) mg/m³ PC-TWA: 0.0009 (A) mg/m³ 8, Konzentrationen beziehen sich auf Cd-Gehalt
VLEP (F)	PC-TWA: 0.004 mg/m³ fraction inhalable ou alvéolaire; en Cd
OEL (IE)	PC-TWA: 0.001(I) 0.004* mg/m³ *until 11.07.2027; as Cd; Carc1B

· **法规信息**
MAK (D): MAK- und BAT-Liste
VLEP (F): ED 1487 05.2021
OEL (IE): 2021 CoP for the Safety, Health and Welfare at Work
BOELV (EU): EU 2022/431
AGW (D): TRGS 900
IOELV (EU): (EU) 2019/1831
· **衍生无影响浓度值** 无相关详细资料
· **预估无显著影响浓度值** 无相关详细资料

· **具有生物限值的成分:**	
CAS: 7439-92-1 铅	
BGW (D)	300 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: keine Beschränkung Parameter: Blei Frauen < 45 J. 400 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: keine Beschränkung Parameter: Blei
CAS: 7429-90-5 铝	
BGW (D)	50 µg/g Kreatinin Untersuchungsmaterial: Urin Probennahmezeitpunkt: bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten Parameter: Aluminium

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CAS: 7439-96-5 锰	
BGW (D)	20 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten, Expositionsende bzw. Schichtende Parameter: Mangan

· **额外的资料:** 制作期间有效的清单将作为基础来使用。

· **8.2 接触控制** 根据第3部分所列的成分信息, 建议在职业接触控制方面采用以下安全措施
· **适当的技术控制:**
远离食品、饮料和饲料。
在休息之前和工作完毕后请清洗双手。
分开储存保护性衣服。
有关技术设施设计的资料请参阅第7部分。

· **个人防护措施,例如个人防护设备**
· **呼吸系统防护:**
如果曾短暂接触或在低污染的情况下,请使用呼吸过滤装置。 如果曾深入或较长时间接触,请使用独立的呼吸保护装置。
· **手部防护:**



保护手套

手套的物料必须是不渗透性的, 且能抵抗该产品/物质/添加剂。
基于缺乏测试, 对于产品/制剂/化学混合物, 并不会提供手套材料的建议。
选择手套材料时, 请注意材料的渗透时间, 渗滤率和降解参数。
· **手套材料:**
选择合适的手套不单取决于材料，亦取决于质量特征，以及来自哪一间生产厂家。因为该产品是由很多材料配制而成, 手套材料的抵抗力并不可预计, 所以, 必须在使用之前进行检查。
· **渗入手套材料的时间:** 请向劳保手套生产厂家获取准确的破裂时间并观察实际的破裂时间。
· **眼睛/面部防护:** 不要求。
· **皮肤和身体防护:** 保护性工作服
· **热危害:** 正常使用情况下不需要。
· **环境接触控制:** 控制措施必须符合环境保护法规。

9 部分: 理化特性

· **9.1 有关基本物理及化学特性的信息**

· **物理状态:**	固体
· **颜色:**	黄铜色
· **气味:**	无
· **气味阈值:**	无相关详细资料
· **熔点/凝固点:**	无相关详细资料
· **沸点或初始沸点和沸程:**	无相关详细资料
· **易燃性:**	无相关详细资料
· **爆炸限值**	
· **下限:**	无相关详细资料
· **上限:**	无相关详细资料
· **闪点:**	无相关详细资料
· **自燃温度:**	无相关详细资料
· **分解温度:**	无相关详细资料
· **pH:**	无相关详细资料
· **黏度:**	
· **运动黏度:**	无相关详细资料

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· **动力黏度:**	无相关详细资料
· **溶解度**	
· **水:**	无相关详细资料
· **n-辛醇/水分配系数 (对数值):**	无相关详细资料
· **蒸气压:**	无相关详细资料
· **密度/相对密度**	
· **密度:**	无相关详细资料
· **相对密度:**	无相关详细资料
· **相对蒸气密度:**	无相关详细资料
· **颗粒特征:**	无相关详细资料

· **9.2 其他信息**	
· **外观:**	
· **性状:**	固体

· **对于物理危险类别的信息**	
· **爆炸物:**	不适用
· **易燃气体:**	不适用
· **气溶胶:**	不适用
· **氧化性气体:**	不适用
· **高压气体:**	不适用
· **易燃液体:**	不适用
· **易燃固体:**	不适用
· **自反应物质和混合物:**	不适用
· **发火液体:**	不适用
· **发火固体:**	不适用
· **自热物质和混合物:**	不适用
· **遇水放出易燃气体的物质和混合物:**	不适用
· **氧化性液体:**	不适用
· **氧化性固体:**	不适用
· **有机过氧化物:**	不适用
· **金属腐蚀剂:**	不适用
· **退敏爆炸物:**	不适用
· **其他安全特性:**	无相关详细资料

10 部分: 稳定性和反应性

· **10.1 反应性:** 无相关详细资料。

· **10.2 化学稳定性:** 无相关详细资料。

· **10.3 危险反应的可能性:** 未有已知的危险反应。

· **10.4 应避免的条件:** 无相关详细资料。

· **10.5 不相容的物质:** 无相关详细资料。

· **10.6 危险的分解产物:** 未知有危险的分解产品。

11 部分: 毒理学信息

· **11.1 欧盟法规 (EC) No. 1272/2008 中定义的危险类别的信息**
· **急性毒性**

· **与分类相关的 LD/ LC50 值:**		
CAS: 7439-89-6 铁		
口腔	LD50	30,000 mg/kg (大鼠)

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化学品安全技术说明书
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CAS: 7440-48-4 钴		
口腔	LD50	6,170 mg/kg (大鼠)
CAS: 7440-36-0 锑		
口腔	LD50	7,000 mg/kg (大鼠)
CAS: 7439-96-5 锰		
口腔	LD50	9,000 mg/kg (大鼠)

· **皮肤腐蚀/刺激:** 根据现有数据,不符合分类标准。
· **严重眼睛损伤/眼睛刺激性:** 根据现有数据,不符合分类标准。
· **呼吸或皮肤过敏:** 根据现有数据,不符合分类标准。
· **生殖细胞突变性:** 根据现有数据,不符合分类标准。
· **致癌性:** 根据现有数据,不符合分类标准。
· **生殖毒性:** 可能对生育力造成伤害。可能对胎儿造成伤害。 可能对母乳喂养的儿童造成伤害
· **特异性靶器官系统毒性-一次性接触:** 根据现有数据,不符合分类标准。
· **特异性靶器官系统毒性-反复接触:** 根据现有数据,不符合分类标准。
· **吸入危害:** 根据现有数据,不符合分类标准。
· **11.2 关于其他危害的信息**

· **内分泌干扰特性:**
这些成分都不列在名单上面。

· **其他信息:** 无相关详细资料

12 部分: 生态学信息

· **12.1 生态毒性**
· **水生毒性:** 无相关详细资料。

· **12.2 持久性和降解性:** 无相关详细资料。

· **12.3 潜在的生物累积性:** 无相关详细资料。

· **12.4 土壤内移动性:** 无相关详细资料。

· **12.5 PBT (持久性、生物累积性和毒性物质) 及 vPvB (高持久性和高生物累积性物质) 评价结果**
· **PBT (持久性、生物累积性和毒性物质):** 不适用
· **vPvB (高持久性和高生物累积性物质):** 不适用
· **12.6 内分泌干扰特性:** 该产品不含具有内分泌干扰特性的物质。

· **12.7 其他副作用:** 无相关详细资料。

13 部分: 废弃处置

· **13.1 废弃处置方法**
· **建议:** 不能将该产品和家居垃圾一起丢弃。不要让该产品接触污水系统。

· **受污染的容器和包装:**
· **建议:** 必须根据官方的规章来丢弃。

14 部分: 运输信息

· **14.1 联合国危险货物编号 (UN号)**
· **ADR/RID/ADN, IMDG, IATA** UN3077

· **14.2 UN适当装船名**
· **ADR/RID/ADN** 危害环境的固态物质, 未另作规定的 (锌, 铅)

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· **IMDG**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc, Lead massive [particle diameter ⩾ 1 mm]), MARINE POLLUTANT
· **IATA**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc, Lead massive [particle diameter ⩾ 1 mm])
· **14.3 运输危险等级**	
· **ADR/RID/ADN, IMDG, IATA**	
· **级别**	9 杂项危险物质和物品,包括危害环境物质
· **标签**	9
· **14.4 包装组别**	
· **ADR/RID/ADN, IMDG, IATA**	III
· **14.5 环境危害:**	
· **海运污染物质:**	是 象征符号 (鱼和树)
· **特别标记 (ADR/RID/ADN):**	象征符号 (鱼和树)
· **特别标记 (IATA):**	象征符号 (鱼和树)
· **14.6 用户特别预防措施**	警告: 杂项危险物质和物品,包括危害环境物质
· **危险编码:**	90
· **EMS号码:**	F-A,S-F
· **Stowage Category**	A
· **Stowage Code**	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
· **14.7 根据IMO文书进行的大量海上运输**	不适用
· **14.8 运输/额外的资料:**	
· **ADR/RID/ADN**	
· **有限数量:**	5 kg
· **例外数量:**	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· **运输类型:**	3
· **隧道限制规则:**	(-)
· **IMDG**	
· **有限数量:**	5 kg
· **例外数量:**	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· **UN "标准规定":**	UN 3077 危害环境的固态物质, 未另作规定的 (锌, 铅), 9, III

15 部分: 法规信息

· **15.1 对相应纯物质或者混合物的安全、保健及环境法规/法律**

· **欧盟指令 2012/18/EU**
· **附录一危险物质** 这些成分都不列在名单上面。
· **Seveso category** E1

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· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **欧盟法规(EU) 2019/1021 持久性有机污染物 (POPs)**
这些成分都不列在名单上面。

· **欧盟法规(EU) 649/2012**

7439-92-1	铅	Annex I Part 1
7440-43-9	镉[非发火的]	Annex I Part 1 Annex I Part 2

· **欧盟法规(EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
这些成分都不列在名单上面。

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
这些成分都不列在名单上面。

· **欧盟法规(EC) 273/2004 药物前体**
这些成分都不列在名单上面。

· **欧盟法规(EC) 111/2005 共同体与第三国之间药物前体贸易监测规则**
这些成分都不列在名单上面。

· **欧盟法规(EC) 1005/2009 消耗臭氧层物质附录一**
这些成分都不列在名单上面。

· **其他法规, 限制和禁止法规**

· **REACH 法规附录十四中供授权审议的高关注物质候选清单 (21/1/2025)**

7439-92-1	铅

· **欧盟法规REACH附录十七限制物质 (19/9/2024)**
有关使用限制的资料请参阅第 16 部分。
没有列出成分

· **欧盟法规REACH附录十四授权物质 (13/11/2023)**
没有列出成分

· **15.2 化学物质安全性评价:** 尚未进行化学物质安全性评价

16 部分: 其他信息

· **建议的使用限制** 不适用

· **相关的危险说明**
H317　可能导致皮肤过敏反应
H330　吸入致命
H334　吸入可能导致过敏或哮喘病症状或呼吸困难
H341　怀疑会导致遗传性缺陷
H350　可能致癌
H351　怀疑会致癌
H360F　可能对生育力造成伤害
H360FD 可能对生育力造成伤害。可能对胎儿造成伤害。
H361fd 怀疑对生育力造成伤害。怀疑对胎儿造成伤害。
H362　可能对母乳喂养的儿童造成伤害
H372　长期或反复接触会对器官造成伤害
H373　长期或反复接触可能对器官造成伤害
H400　对水生生物毒性极大
H410　对水生生物毒性极大并具有长期持续影响

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H413　可能对水生生物造成长期持续有害影响

· **根据欧盟法规 (EC) No. 1272/2008 进行分类**

生殖毒性 危害水生环境 - 急性危险 危害水生环境 - 长期危险	混合物的分类是以物质的数据按欧盟法规 (EC) No. 1272/2008 的计算方法进行。

. **********

本化学品安全技术说明书的内容和格式根据欧盟法规(EC) No 1907/2006, (EC) No 1272/2008 及(EU) No 2020/878 编写而成。

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· **缩写:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: 持久性生物累积性有毒物质
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
急性毒性(吸入)　第2类: Acute toxicity – Category 2
敏化(呼吸)　第1类: Respiratory sensitisation – Category 1
敏化(皮肤)　第1类: Skin sensitisation – Category 1
生殖细胞致突变性　第2类: Germ cell mutagenicity – Category 2
致癌性　第1B类: Carcinogenicity – Category 1B
致癌性　第2类: Carcinogenicity – Category 2
生殖毒性　第1A类: Reproductive toxicity – Category 1A
生殖毒性　第1B类: Reproductive toxicity – Category 1B
生殖毒性　第2类: Reproductive toxicity – Category 2
特定靶器官系统毒性（重复接触）　第1类: Specific target organ toxicity (repeated exposure) – Category 1
特定靶器官系统毒性（重复接触）　第2类: Specific target organ toxicity (repeated exposure) – Category 2
对水环境的危害(急性)　第1类: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
对水环境的危害(慢性)　第1类: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
对水环境的危害(慢性)　第4类: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

. **********

完

检测报告

编号：SHAEC26009144804　　**日期：**2026 年 04 月 13 日　　

客户名称：　江西科美格新材料有限公司

客户地址：　江西省上饶市铅山县工业园区内

样品名称：　C5191

以上样品及信息由客户提供。

SGS 工作编号：　SHP26-012046

样品接收时间：　2026 年 04 月 09 日

检测周期：　2026 年 04 月 09 日 ~ 2026 年 04 月 13 日

检测要求：　根据客户要求检测。

检测方法：　见后续页。

检测结果：　见后续页。

检测要求	结论
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)	符合

通标标准技术服务（上海）有限公司

授权签名

倪俊

Tom Ni 倪俊

批准签署人

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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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t E&E (86-21) 61402553　www.sgsgroup.com.cn
t HL (86-21) 61402594　sgs.china@sgs.com

检测结果：

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A2	SHA26-0091448-0001.C002	铜色金属

备注：

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL= 方法检出限
(3) ND = 未检出(< MDL)
(4) "-" = 未规定

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)

检测方法： 参考 IEC 62321-4:2013+AMD1:2017，IEC 62321-5:2013，IEC 62321-7-1:2015，IEC 62321-6:2015 和 IEC 62321-8:2017，采用 ICP-OES/AAS，UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	A2
铅 (Pb)	1000	mg/kg	2	33
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))▼	-	μg/cm²	0.10	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND
一溴联苯 (MonoBB)	-	mg/kg	5	ND
二溴联苯 (DiBB)	-	mg/kg	5	ND
三溴联苯 (TriBB)	-	mg/kg	5	ND
四溴联苯 (TetraBB)	-	mg/kg	5	ND
五溴联苯 (PentaBB)	-	mg/kg	5	ND
六溴联苯 (HexaBB)	-	mg/kg	5	ND
七溴联苯 (HeptaBB)	-	mg/kg	5	ND
八溴联苯 (OctaBB)	-	mg/kg	5	ND
九溴联苯 (NonaBB)	-	mg/kg	5	ND
十溴联苯 (DecaBB)	-	mg/kg	5	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	5	ND
二溴二苯醚 (DiBDE)	-	mg/kg	5	ND
三溴二苯醚 (TriBDE)	-	mg/kg	5	ND
四溴二苯醚 (TetraBDE)	-	mg/kg	5	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	5	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	5	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	5	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	5	ND

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. Chemical Laboratory Technical Services

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检测项目	限值	单位	MDL	A2
九溴二苯醚 (NonaBDE)	-	mg/kg	5	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	5	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	ND

备注：

(1) 最大允许极限值引用自RoHS指令(EU) 2015/863。

(2) IEC 62321系列等同于 EN 62321系列。

(3) ▼ = a. 当六价铬的浓度高于0.13 μg/cm²时，样品为阳性，即含有六价铬；
b. 当六价铬的浓度为ND (低于0.10 μg/cm²) 时，样品为阴性，即未检测到六价铬；
c. 当六价铬的浓度介于0.10 μg/cm²与0.13 μg/cm²之间时，无法直接判定是否检测到六价铬，因不同个体的样品表面差异可能会影响测定结果。

由于未获知样品的存储条件和生产日期，样品的六价铬检测结果仅能代表检测时样品含六价铬的状态。

除非另有说明，参照 ILAC-G8:09/2019，使用简单接受（*w*=0）的二元判定规则进行符合性判定。
除非另有说明，此报告结果仅对检测的样品负责。本报告未经本公司书面许可，不可部分复制。
检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的，仅供内部参考。

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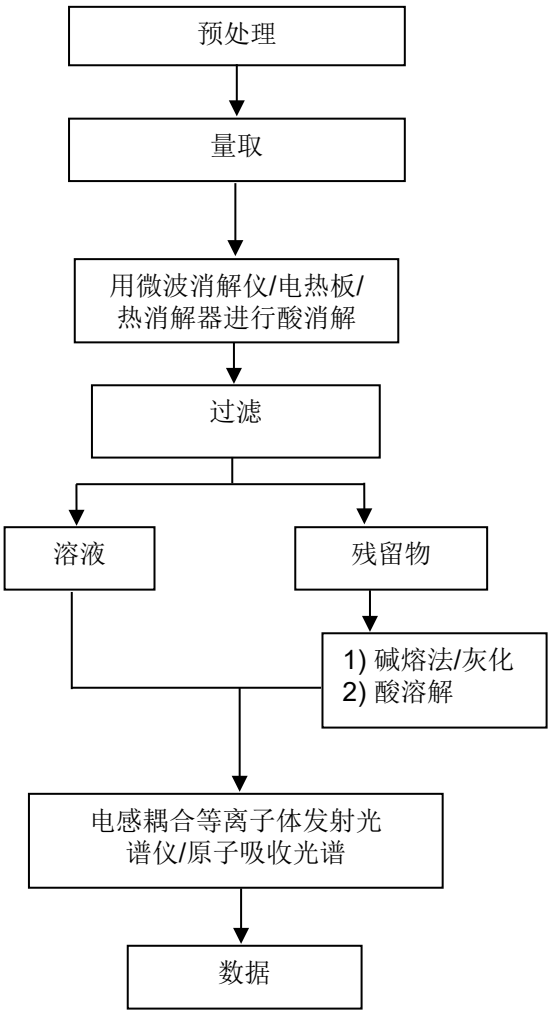
附件

元素检测流程图

样品中的 Pb/Cd/Hg 按照下述流程被完全消解。



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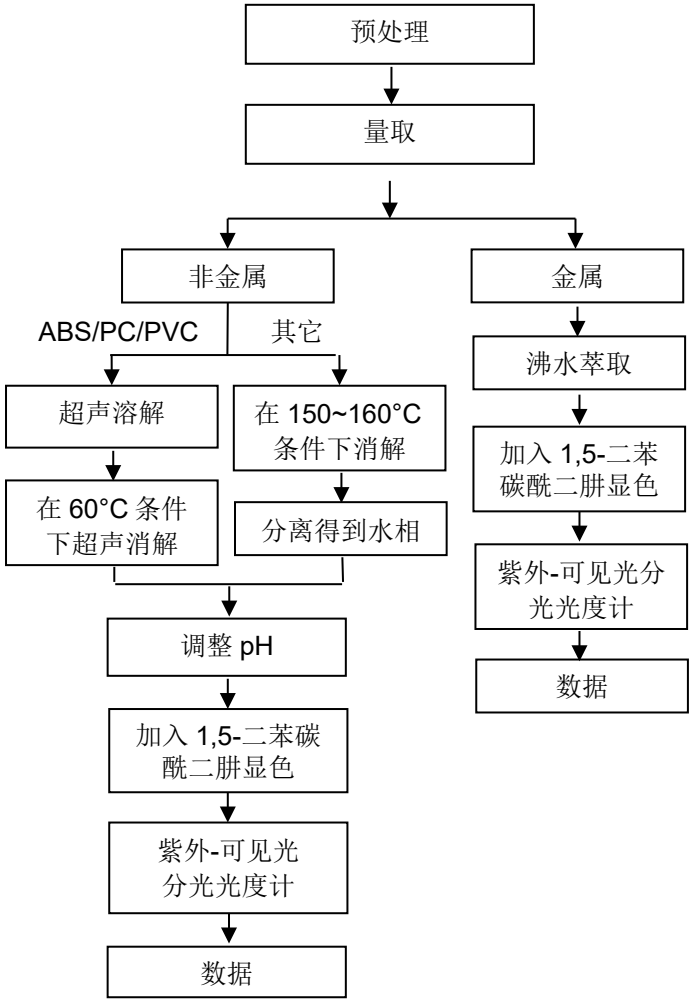
附件

六价铬检测流程图



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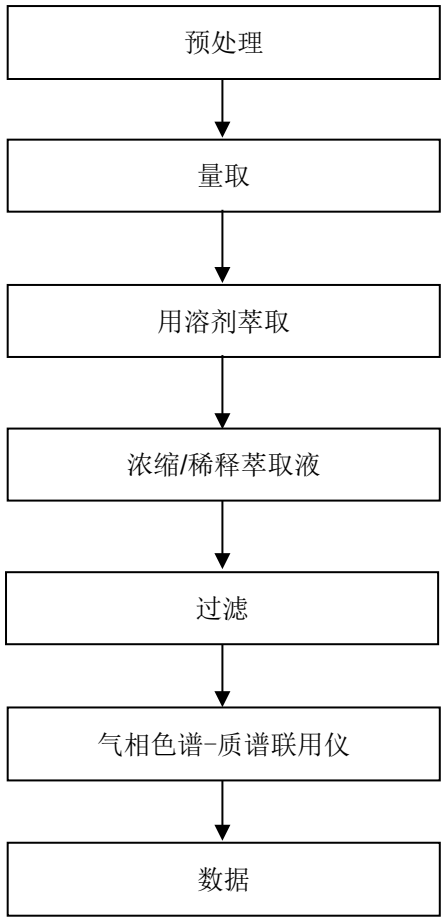
附件

PBB(s)/PBDE(s)检测流程图



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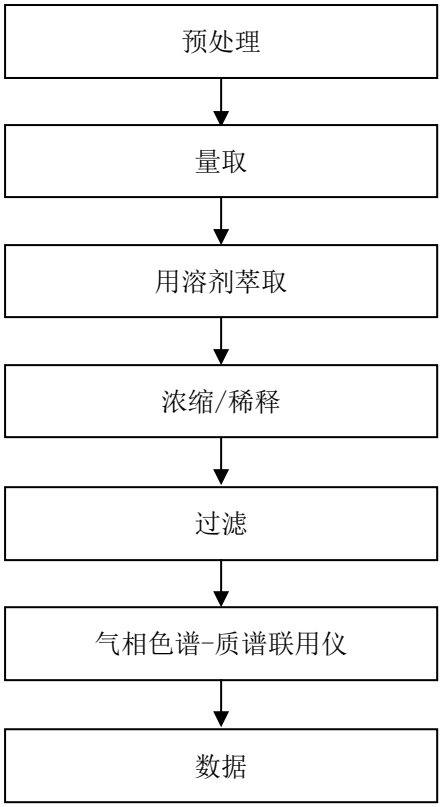
Phthalates 检测流程图



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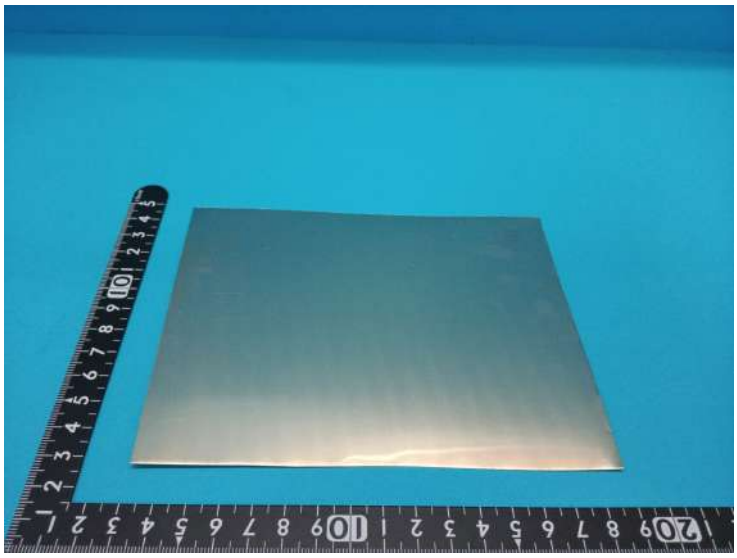
样品照片：



SHA26-0091448-0001.C002

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Test Report

No.: CANEC26005612401 **Date:** Mar 19, 2026

Client Name: DONGGUAN DEYUAN NEW MATERIAL CO.,LTD

Client Address: BUILDING1,NO.35,JIUFEIEROAD,DALINGSHANTOWN,DONGGUANCITY,GUANGDONG PROVINCE

Sample Name: PBT Black

Lot No.: SD20260312

The above sample(s) and information were provided by the client.

SGS Job No.: SZP26-011904

Sample Receiving Date: Mar 13, 2026

Testing Period: Mar 13, 2026 ~ Mar 19, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie-JX Li
Approved Signatory

Scan to see the report

555CDE03

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN26-0056124-0001.C001	Black plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	11
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND

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Test Item(s)	Limit	Unit(s)	MDL	A1
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

检验检测专用章 Inspection & Testing Services

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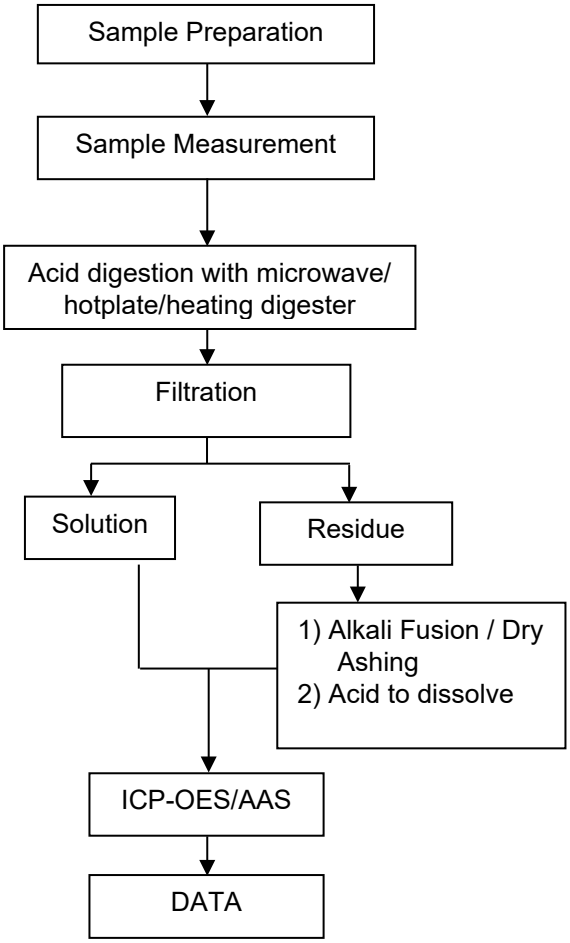
Elements Testing Flow Chart

These samples of Pb/Cd/Hg were dissolved totally by pre-conditioning method according to below flow chart.



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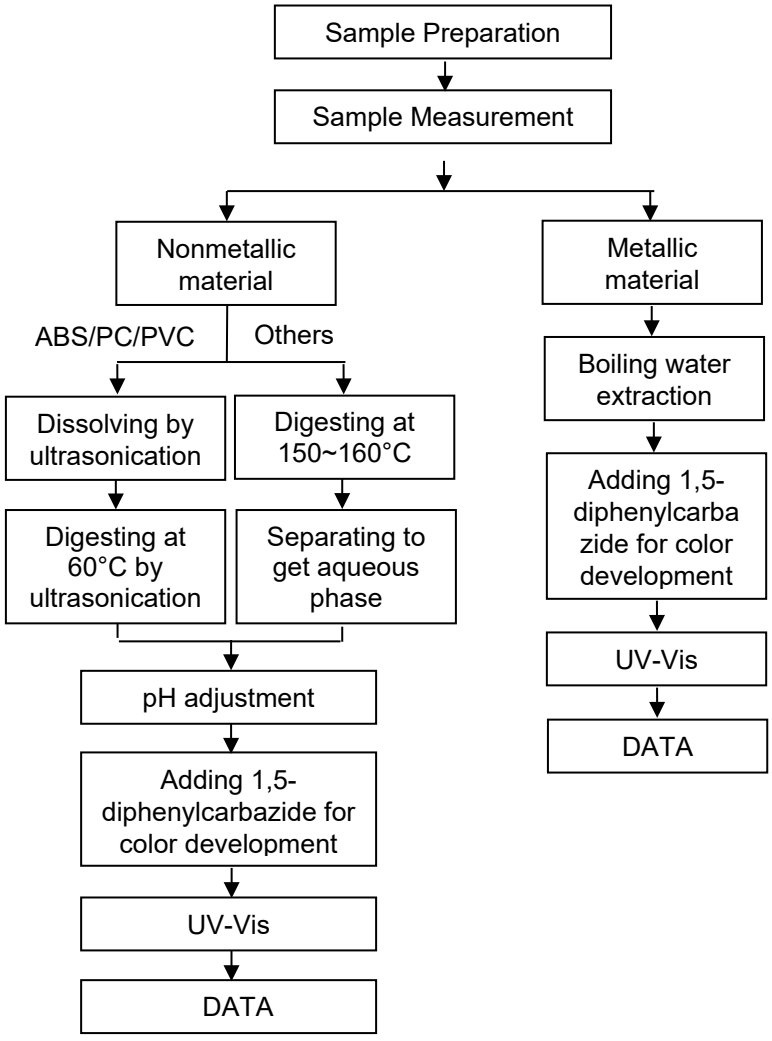
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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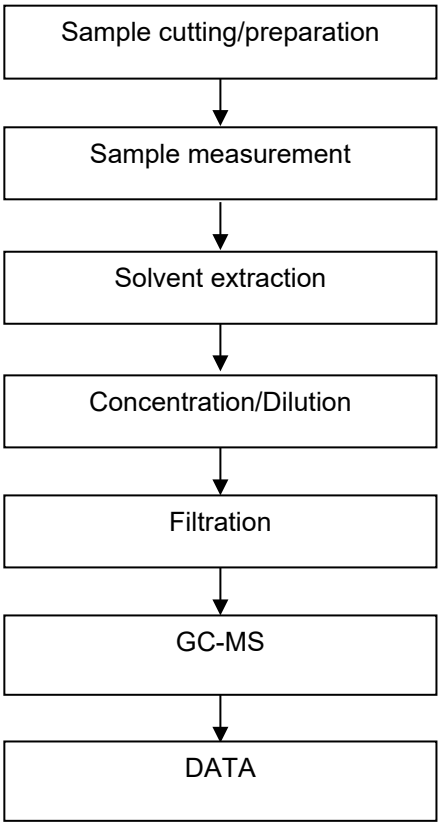
PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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CAN26-0056124-0001.C001

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Test Report

No.: CANEC25032508609 **Date:** Jan 06, 2026

Client Name: SHENZHENSHI JINHAISHI COPPER CO., LTD

Client Address: 101, BUILDING 10, NO. 4, XUWU ROAD, BITOU COMMUNITY, SONGGANG STREET,BAO'AN DISTRICT,SHENZHEN

Sample Name: Brass rod

Model No.: 58-3(C3604)

The above sample(s) and information were provided by the client.

SGS Job No.: GZP25-036987

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Jan 05, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Arsene Ye

Arsene Ye
Approved Signatory

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A3	CAN25-0325086-0001.C003	Brassy metal

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A3
Lead (Pb)	1000	mg/kg	2	23495▲
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	33
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND

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Test Item(s)	Limit	Unit(s)	MDL	A3
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) ▼ = a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm^2. The sample coating is considered to contain Cr(VI).

b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm^2). The coating is considered a non-Cr(VI) based coating.

c. The result between 0.10 μg/cm^2 and 0.13 μg/cm^2 is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

(4)▲: According to the declaration from the client, Lead (Pb) in specimen is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 6(c)|: Copper alloy containing up to 4 % lead by weight. More information about exemption can be found via the following link:https://rohs.sgsonline.com.cn/PDFLinks/en/RSTS-TP-037%20RoHS%20Exemption%20%28EN%29.pdf

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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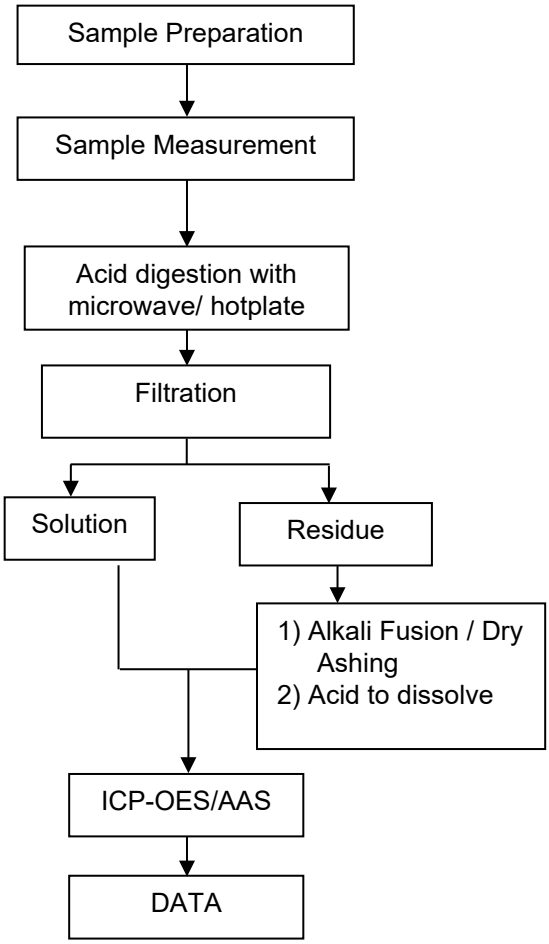
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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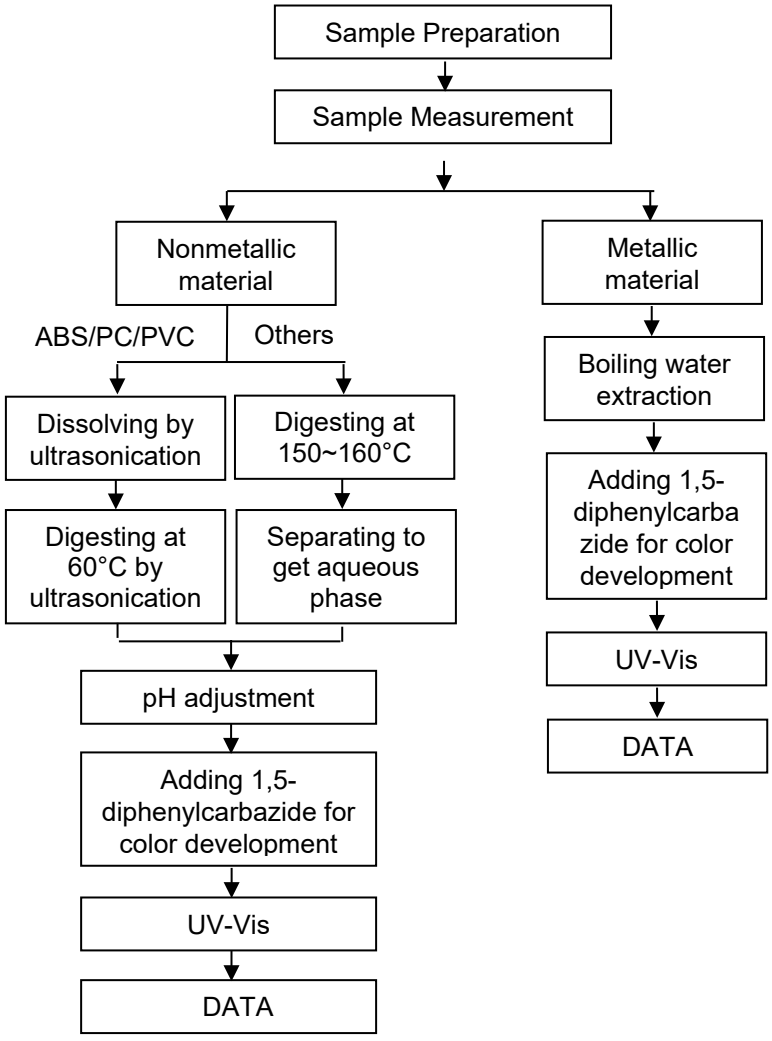
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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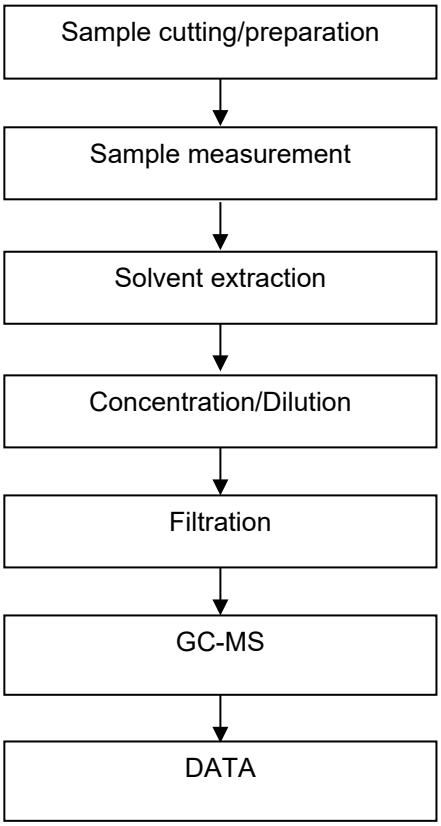
PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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Sample Photo:



CAN25-0325086-0001.C003

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Test Report

No.: SZXPC26000513404 **Date:** Feb 02, 2026

Client Name: SHEN ZHEN SHUN YI FENG INDUSTRIAL CO, LTD

Client Address: 2ND FLOOR, BLOCK A, NO.183 CHUANGYE 6TH ROAD,JIANGBIAN FIRST INDUSTRIAL ZONE,SONGGANGSTREET,BAOAN DISTRICT,SHENZHEN CITY

Sample Name: GOLD-PLATED PRODUCTS

The above sample(s) and information were provided by the client.

SGS Job No.: SZPC2601000613

Sample Receiving Date: Jan 27, 2026

Testing Period: Jan 27, 2026 ~ Feb 02, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Tina

Tina Fan
Approved Signatory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	004	SZX26-0005134-0001.C004	Light golden metal

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	004
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND

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Test Item(s)	Limit	Unit(s)	MDL	004
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) ▼ =
a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm^2. The sample coating is considered to contain Cr(VI).
b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm^2). The coating is considered a non-Cr(VI) based coating.
c. The result between 0.10 μg/cm^2 and 0.13 μg/cm^2 is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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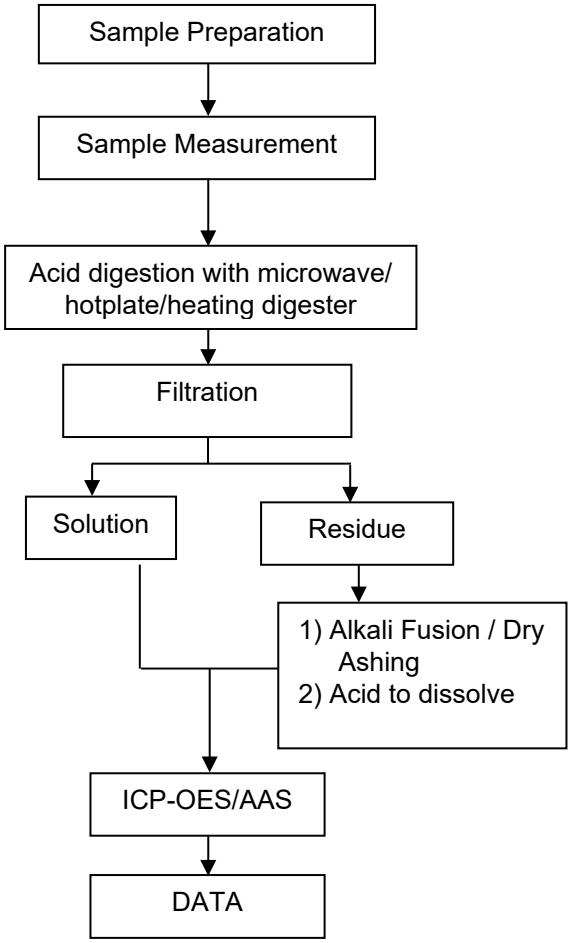
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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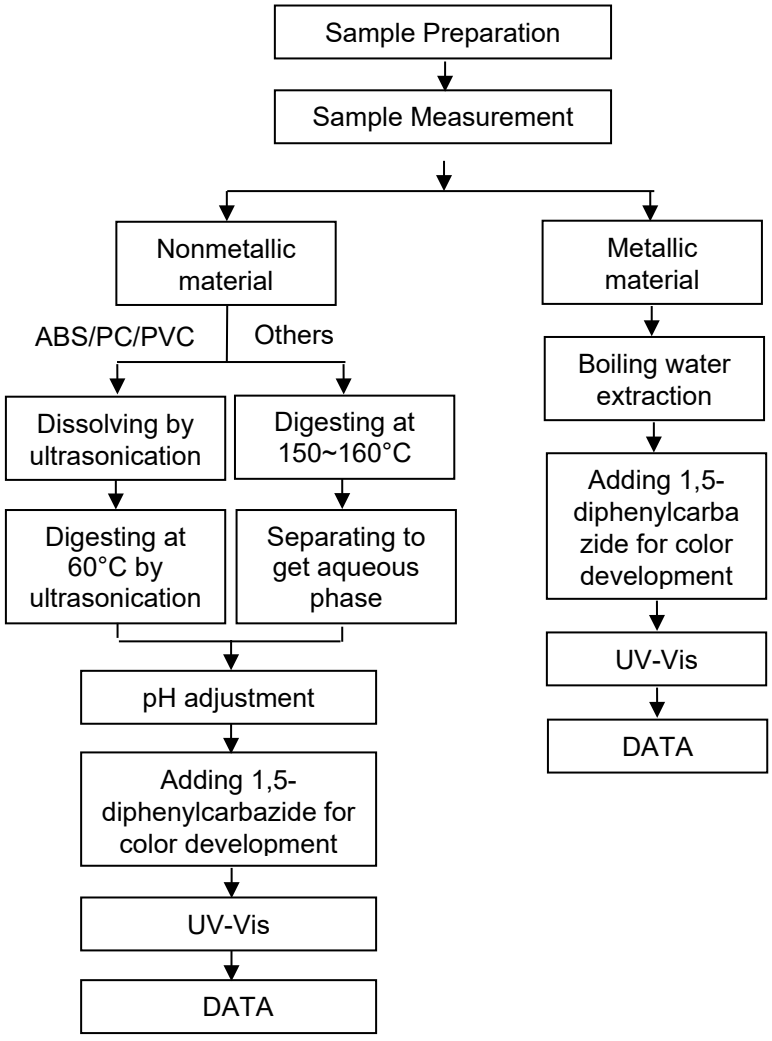
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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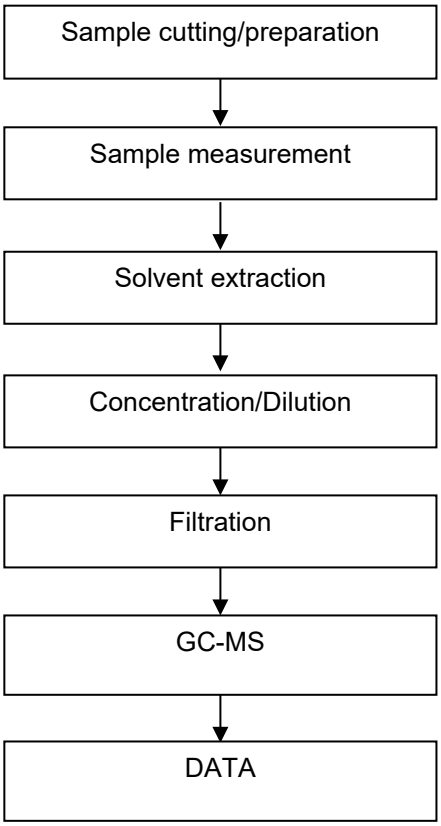
PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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Sample Photo:



SZX26-0005134-0001.C004

SGS authenticate the photo on original report only

*** End of Report ***

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Test Report

No.: SZXPC26000513401 **Date:** Feb 02, 2026

Client Name: SHEN ZHEN SHUN YI FENG INDUSTRIAL CO, LTD

Client Address: 2ND FLOOR, BLOCK A, NO.183 CHUANGYE 6TH ROAD,JIANGBIAN FIRST INDUSTRIAL ZONE,SONGGANGSTREET,BAOAN DISTRICT,SHENZHEN CITY

Sample Name: Bright Tin PRODUCTS

The above sample(s) and information were provided by the client.

SGS Job No.: SZPC2601000613

Sample Receiving Date: Jan 27, 2026

Testing Period: Jan 27, 2026 ~ Feb 02, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Tina

Tina Fan
Approved Signatory

Scan to see the report
SZXPC26000513401
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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	001	SZX26-0005134-0001.C001	Silvery metal

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	001
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND

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Test Item(s)	Limit	Unit(s)	MDL	001
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) ▼ =
a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm^2. The sample coating is considered to contain Cr(VI).
b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm^2). The coating is considered a non-Cr(VI) based coating.
c. The result between 0.10 μg/cm^2 and 0.13 μg/cm^2 is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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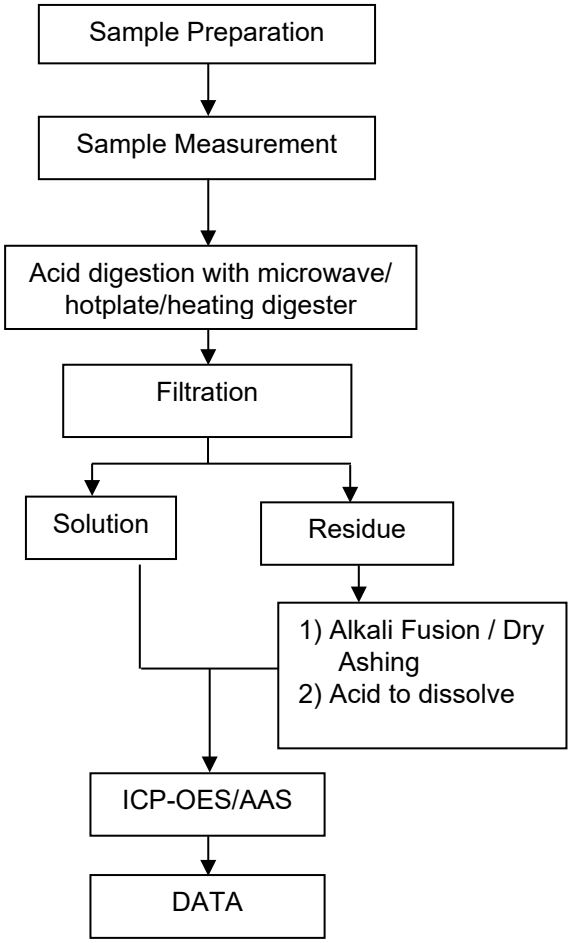
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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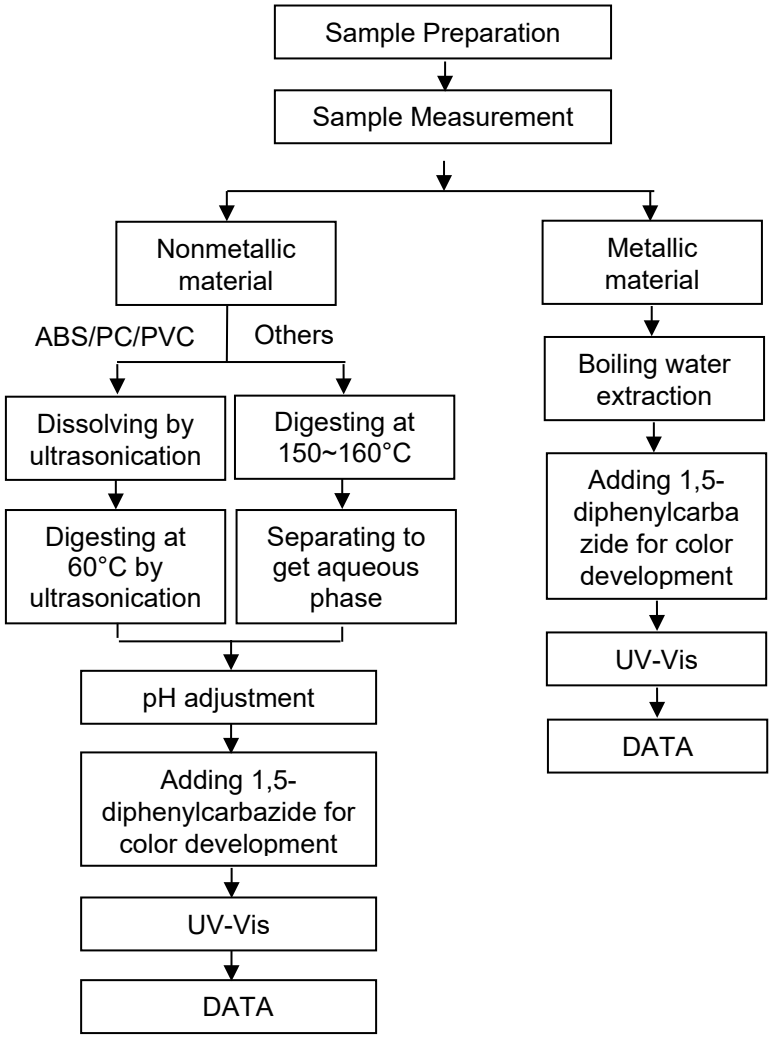
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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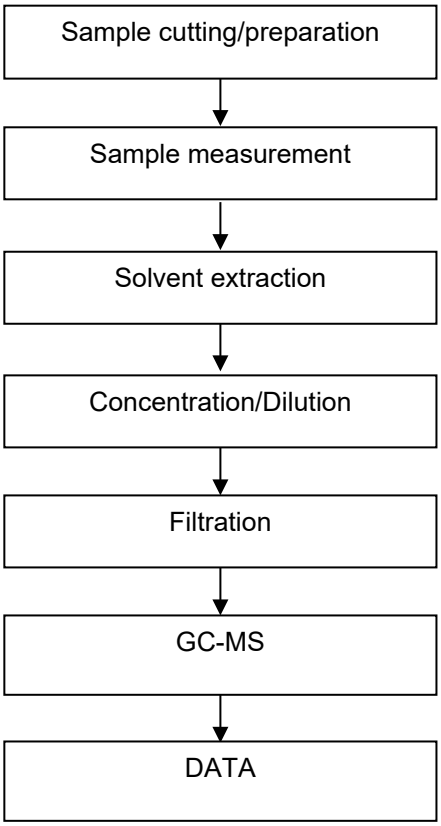

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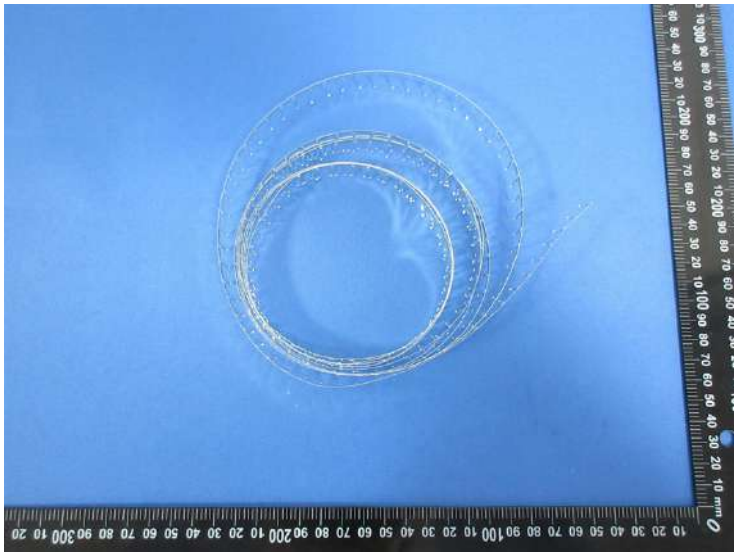

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Test Report

No.: SZXEC26000954403 **Date:** Mar 05, 2026

Client Name: SHENZHEN JINHEYUAN TECHNOLOGY CO.,LTD

Client Address: 3F,BUILDING C,NO.13,CHUANGYE 3RD ROAD,JIANGBIAN COMMUNITY,SONGGANG TOWN,BAOAN DISTRICT,SHENZHEN

Sample Name: copper nickel plating

The above sample(s) and information were provided by the client.

SGS Job No.: SZP26-008404

Sample Receiving Date: Feb 28, 2026

Testing Period: Feb 28, 2026 ~ Mar 04, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Ford Shi
Approved Signatory

Scan to see the report

633431DB

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	SZX26-0009544-0001.C002	Silver-gray plated metal

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321-6:2015 and IEC62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A2
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Technical Services Test Laboratory

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Test Item(s)	Limit	Unit(s)	MDL	A2
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND

Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) ▼ =
a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm^2. The sample coating is considered to contain Cr(VI).
b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm^2). The coating is considered a non-Cr(VI) based coating.
c. The result between 0.10 μg/cm^2 and 0.13 μg/cm^2 is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

检验检测专用章 Inspection & Testing Services

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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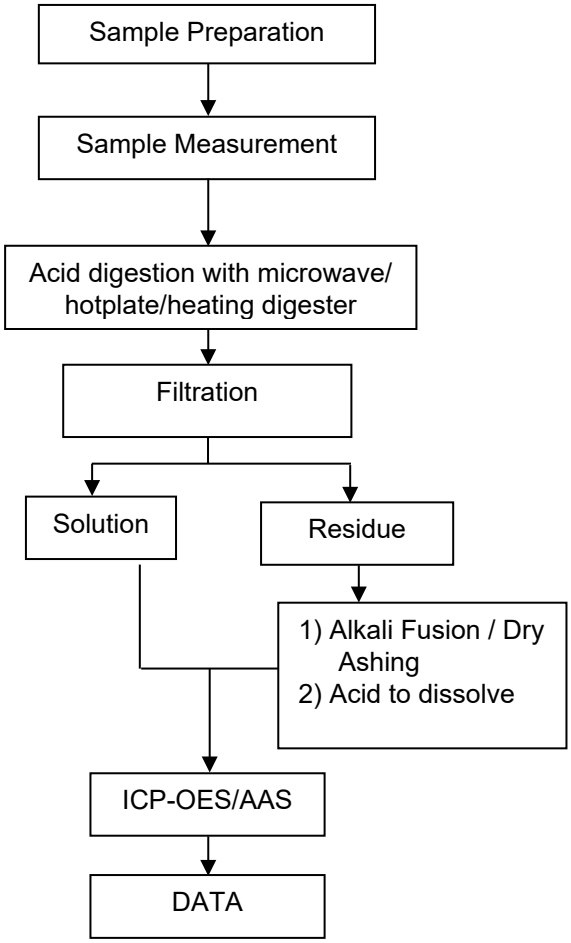
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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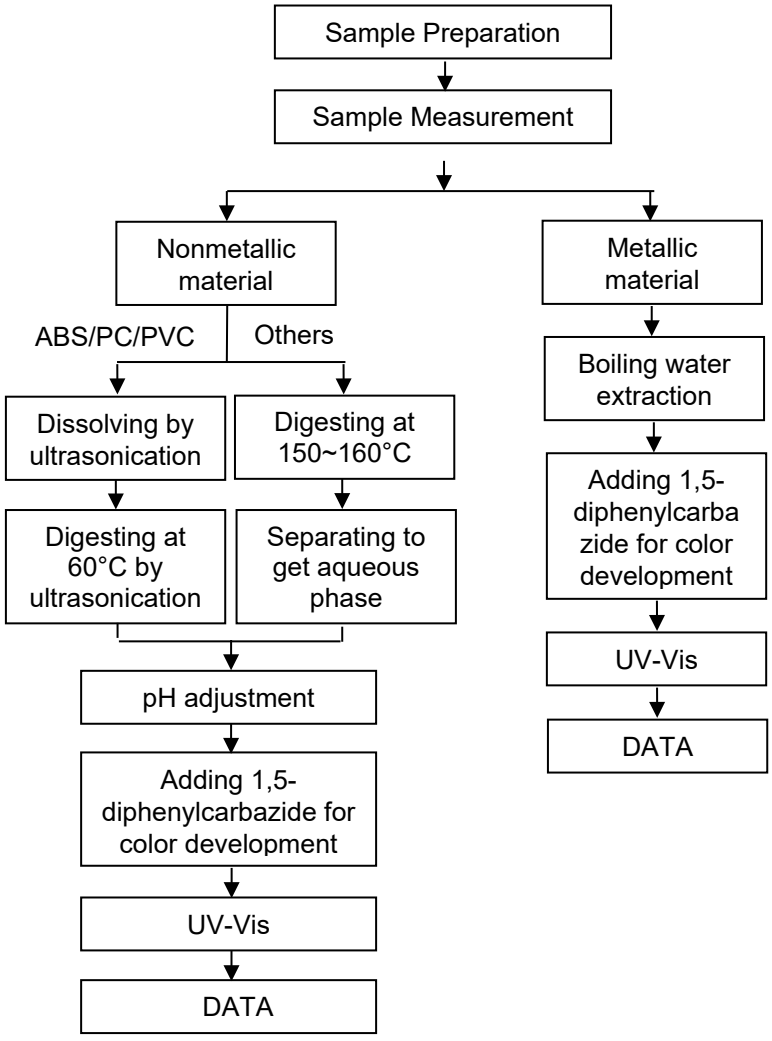
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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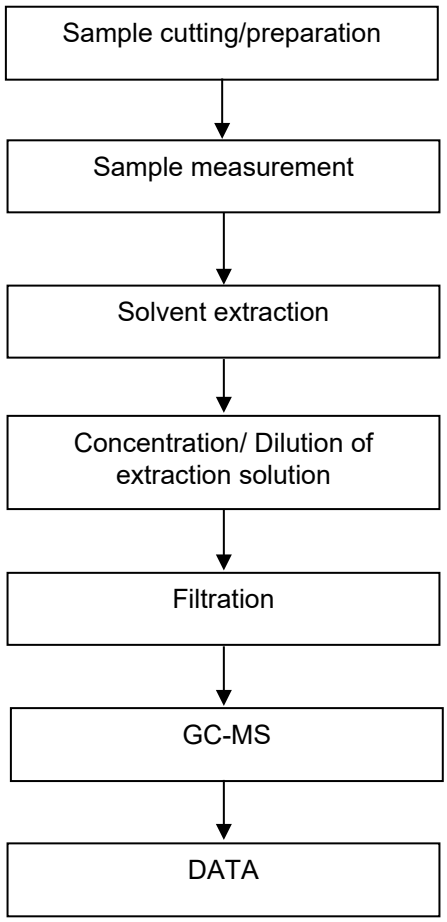
PBB(s)/PBDE(s) Testing Flow Chart



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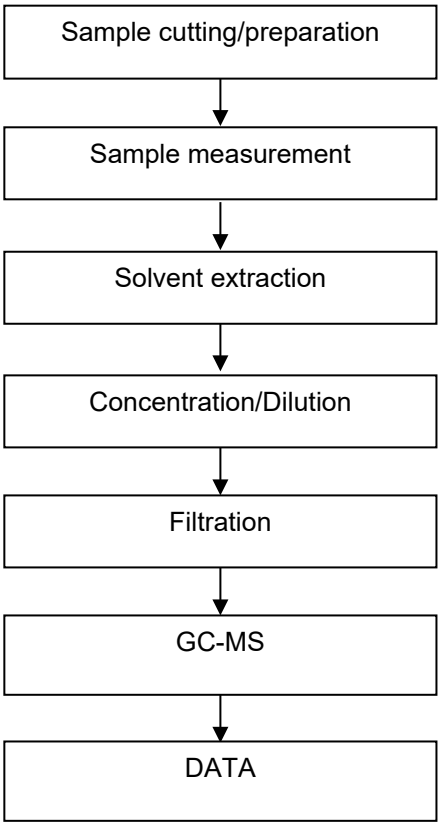
Phthalates Testing Flow Chart



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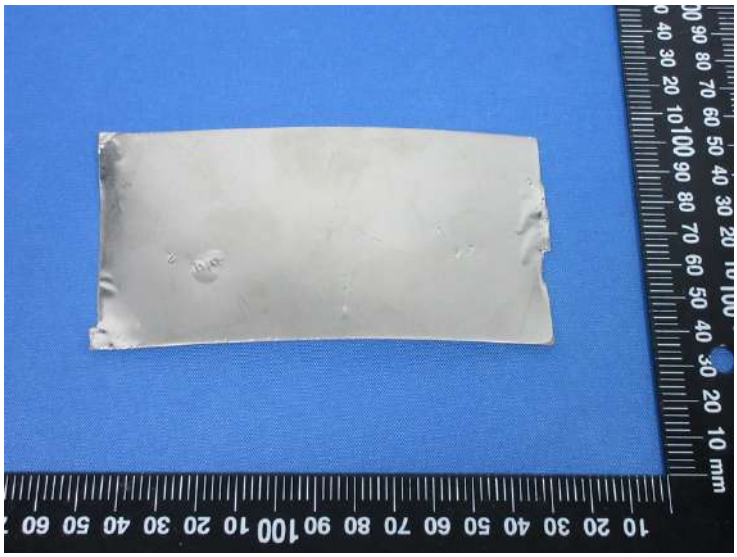
Sample Photo:



SZX26-0009544-0001.C002

SGS authenticate the photo on original report only

*** End of Report ***

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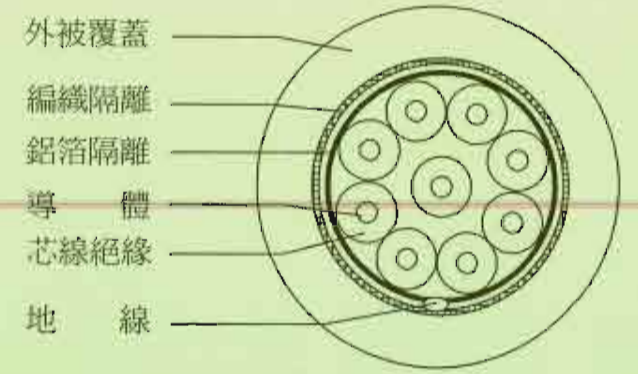
品名規格		9C*26AWG+AL+D+B /UL2464				
芯線數		9C				料號
導體	構成	7/0.16MM				300107016001
	材質	TA				
	絞距	0.6INCH				
絕緣體	材質	SR-PVC				4002001000xx
	完成外徑	1.00±0.05MM				2110266030xx
	印字	/				
絞合	絞距	/				
	地線	/				
隔離	隔離方式	/				
	遮蔽率	/				
中被	材質	/				
	完成外徑	/				
	印字	/				
絞合	絞距	60~80MM				
	地線	7/0.20MM TA				300107020001
	鋁箔規格	0.02*15MM(反包)	900100100032	填充物	/	
	棉紙隔離	/		重疊率	25%以上	
遮蔽	構成	16*6/0.10MM TA (6目)				300101010004
	遮蔽率	65%MIN				
外被	材質	NUL-813/70P [Black]				400000001905
	完成外徑	6.0±0.15MM				印字輪編號 A7
	表面處理	半霧面				
印字	E119932-U 兒 AWM 2464 80℃ 300V 26AWG VW-1 ---------- C 兒 AWM I/IIA 80℃ 300V 26AWG FT1 COPARTNER				字高	1.2 MM 印白字

構造圖：



7.45

芯線顏色：

(01)黑 (02)棕 (03)紅 (05)黃

(06)綠 (07)藍 (08)紫 (09)灰 (10)白

備註：

客戶：昌 偉

新雅電線電纜(深圳)有限公司

XINYA WIRE & CABLE (SHENZHEN) CO., LTD

工令號碼		數量		裁條編碼	核准	審查	作成	產品編號	203196039800
交期		裁剪尺寸						半成品編號	213190926613
客戶料號	ZZ-0000-002						陳現煥	版本/版次	A/1
訂單號碼								建檔日期	2013/4/22

審核：

業務：

1655 Scott Blvd
Santa Clara, CA 95050-4169
(408) 985-2400
FAX No. (408) 296-3256

Underwriters Laboratories Inc.®

File E119932 Vol 2 Issued 01/04/1995
Revised 03/25/2003

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

COMPONENT - APPLIANCE WIRING MATERIAL
(AVLV2, AVLV8)

Manufacturer: SEE ADDENDUM FOR MANUFACTURING LOCATIONS

Applicant: COPARTNER WIRE & CABLE MFG CORP
(472158-002) FAR EAST CENTURY PARK, 4TH FL
16 CHIEN PA RD
CHUNG HO CITY
TAIPEI HSIEN TAIWAN

Recognized Company: SAME AS APPLICANT
(472158-002)

This Procedure authorizes the above Manufacturer to use the marking specified by Underwriters Laboratories Inc. only on products covered by this Procedure, in accordance with the applicable Follow-Up Service Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc upon request.

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UNDERWRITERS LABORATORIES INC.

A.W. Schaefer
Vice President and General Manager
Laboratory Management and Operations

A not-for-profit organization
dedicated to public safety and
committed to quality service

LOCATION

(133927-003) COPARTNER WIRE & CABLE MFG LTD
CHANG LING INDUSTRIAL AREA
XIN TIAN VILLAGE, 68 XINTANG RD
FU YONG COUNTY, BAO'AN DISTRICT
SHENZHEN GUANGDONG CHINA

(133927-004) COPARTNER WIRE & CABLE MFG LTD
19 DA YANG TIAN INDUSTRIAL ZONE
WAN FENG VILLAGE, SHA JING TOWN
BAO'AN
SHENZHEN GUANGDONG CHINA

(133927-005) COPARTNER WIRE & CABLE MFG LTD
45'DA YANG TIAN INDUSTRIAL ZONE
SHA JING TOWN
BAO'AN, WAN FENG VILLAGE
SHENZHEN GUANGDONG CHINA

TAG MARKINGS:

Tag markings are in accordance with the marking section of UL 758 and any requirements on the style page (effective July 14, 2005).

RECOGNIZED COMPANY'S IDENTIFYING MARK:

Recognized Company's name, or File "E119932" surface printed on the insulation or jacket.

Manufacturer Identification - The manufacturers listed below must be identified by using the following codes after the Recognized Company's identification as noted above (ex. "E119932-T," where "-T" is the factory identification code). If the factory is the same as the Recognized Company's, no code is required.

Location	Factory Identification Code
(133927-003)	None
(133927-004)	T
(133927-005)	U

TA

COPARTNER TECHNOLOGY (SHENZHEN) CO.,LTD.
Material safety data sheets (MSDS)

One. Chemical products and the company's situation:

1. Product Name: Tinned copper
2. General Characteristics: The chemical formula for Copper is Cu and for Tin is Sn .
3. Hazardous classification: Low harm
4. Use products: Conductor .
5. Maker's name: CABLEX WIRE (SHENZHEN) MFG CO.,LTD.
6. Supplier / circulation circumstance: No information
7. Manufacturing sector And the name: No information
8. Date of manufacture: No
9. Improvement in the number and the date of the final improvement: No

Two. Content and form:

Chemical name	CAS No.	Content (%)	Producing Countries
Copper(In tinned copper)	7440-50-8	98%~99%	China
Tin(In tinned copper)	7440-31-5	About 1%~2%	China
Other(In tinned copper)	No	0.01%	China

Three. Hazardous nature:

1. Color : Copper ,has red metal shine ; Tinned copper , has argent metal shine.
2. Physical condition: Solid metal.
3. Smell<odor>: No
4. Emergency dangerous, hazardous conditions: No
5. The impact to the eyes: No
6. The impact to the skin: No
7. The impact to the inhalation: For the solid metal are generally not inhalational 。
8. The impact to consumption: No information
9. Chronic symptoms and impact: No information

Four. Emergency Treatment:

1. Inhaled: No information
2. Skin contact: Wash with flows water and send to hospital immediately when serious。
3. Eye contact: Opening eyelid, Wash with flows water or physiological brine, and send to hospital immediately when serious。
4. Eating: Emetic, and send to hospital immediately when serious。
5. Doctor's note: No information。

Five. The strategies and methods when the fire broke out:

Try to move the fire to office open。Fire extinguishing agent: Powder、Sand。

Six. The strategies and methods when leak:

1. The measures necessary to protect human: No information
2. Necessary measures to protect the environment: No information
3. Purification and removal methods: No information

Seven. Storage Methods:

Stored in a cool, ventilated warehouse。Avoid exposure to direct sunlight，away from fire、Heat。Must Separate from oxidant、acid、halogen 。Corresponding with the variety and number of fire equipment。

Eight. Instance of protected areas and prevent leakage:

No information。

Nine. Physical and Chemical Properties:

burning、oxidation can produce CuO.

Ten. Stability and reactivity:

Must Separate from oxidant、acid、halogen 。

Eleven. On the toxicity:

Low-toxic, environmentally friendly products。

Twelve. Impact on the environment:

No information。

Thirteen. Note when Abandoned:

Reference the state and local regulations before disposal. Recommended by qualified manufacturers for recycling。

Fourteen. Note when transport:

Packaging must be integrity, loading should be properly。Make sure the vessels not leak、collapse、crashes。strictly prohibit transport with oxidant、acid、halogen 。Avoid exposure to direct sunlight、rain and high temperature。

Fifteen . Law provides:

Sony SS-00259 SEVENTH EDITION。

Sixteen. Reference to other issues:

This material safety data sheets is according to the information from suppliers， here we account for some risk , but for all the material have potentially dangerous unknown ,it may have others risk ,so must be careful when use it.

The information contained herein is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Prepared By	QA Department, CABLEX WIRE (SHENZHEN) MFG CO.,LTD.
Name: (signature)	Chen junmei Date: 2009-06-30 E-mail: nancy_yan@copartner.com.cn

东莞市鸿鑫鋁箔有限公司

物質安全資料表(MSDS)

一、物品與廠商資料

物品名稱:鋁箔麥拉
物品編號:暫無
製造商或供供應商名稱、位址及電話：佛山市宏凱鋁箔有限公司
緊急聯絡電話/傳真電話 0769-81062890 83101325 0757-86518199FAX：0769-81062891

二、成分辯認資料

純物質：
中英文名稱：鋁箔麥拉
同義名稱：鋁箔
化學文摘社登記號編（CAS NO）

Part Name	No.	Substance Name	CAS No.	EINECS No.	Content Rate(%) per homogeneous materials）	Chemical composition of material weight percentage of total
純鋁	1	Cu	7440-50-8	231-159-6	0.0500%	45%
	2	Si + Fe	7440-21-3	231-130-8	0.5200%	
			7439-89-6	231-096-4		
	3	Mn	7439-95-4	231-104-6	0.0500%	
	4	Zn	7440-66-6	231-175-3	0.0500%	
	5	Al	7429-90-5	231-072-3	99.3000%	
	6	其他雜質	NA	NA	0.0300%	
接著主劑	7	乙二醇	107-21-1	603-027-00-1	0.9000%	3%
	8	二甘醇	111-46-6	203-872-2	5.0000%	
	9	已二酸	124-04-9	607-144-00-9	28.5000%	
	10	MDI	101-68-8	615-005-00-9	14.5000%	
	11	醋酸乙酯	141-78-6	607-022-00-5	51.1000%	
固化劑	12	MDI	101-68-8	615-005-00-9	35.5000%	3%
	13	醋酸乙酯	141-78-6	607-022-00-5	49.0000%	
	14	三羥甲基丙烷	77-99-6	NA	15.5000%	

危害物質成分（成分百分比）：見測驗報告
混合物：
化學物質：

危害物質成分之中方名稱：	濃度或濃度範圍（成分百分比）：	危害物質分類圖式：無
Cd	ND<2PPM	
Pb	ND<2PPM	
Hg	ND<2PPM	
CrVI	ND<2PPM	
PBBS	ND<5PPM	
PBDES	ND<5PPM	
16P	ND	
PAHS	ND<0.2PPM	
PFOA&PFOS	ND<10PPM	
Halogen	ND<50PPM	
TBBPA	ND<10PPM	
Nonylphenol	ND<10PPM	
Bisphenol A	ND<1PPM	

DMF	ND<0.1PPM	
REACH	ND	

三、危害辯識資料

最重要危害效應	健康危害效應：
	無環境影響：無
	物理性及化學性危害：常態下物理及化學性質穩定
	特殊危害：無
主要症狀：無	
物品危害分類：無	

四、急救措施

不同暴露途徑之急救方法： ●吸入：吸入情況不可能發生 ●皮膚接觸：無明顯反應 ●眼睛接觸：無明顯反應 ●食入：此產品不能食入
最重要症狀及危害效應：無
對急救人員之防護：無特殊要求
對醫師之提示；使用後清水洗手即可

五、滅火措施

適用滅火劑：水 泡沫 乾粉 CO2
滅火時可能遇到之特殊危害：無特殊危害
特殊滅火程式：用水 泡沫 乾粉 CO2 噴灑

六、洩漏處理方法

個人應注意事項：盡可能用手套以防被刮傷皮膚
環境注意事項：對環境無污染
清理方法：掃起置於容器之內

七、安全處置與儲存方法

處置：最適宜的溫度爲室內溫狀態下。PH 值爲中性
儲存：堆放時不宜過高以免跌落損傷人或物，避免陽光直射

、八、暴露預防措施

工程控制：通風設備 A 局部通風設備 B 整體換氣裝置
控制參數：
● 八小時日量平均容許濃度/短時間量平均容許濃度/最高溶許濃度 ● 生物指標：無
個人防護設備 ●呼吸防護：無特殊要求 ●手部防護：手套 ●眼睛防護：無特殊要求 ●皮膚及身體防護：無特殊要求
衛生措施：作業完成後洗手，保持作業環境乾淨整潔

九、物理及化學性質

物質狀態：固體	形狀：卷材
顏色：金黃色	氣味：無味
PH 值：中性	閃火點：
自燃溫度：無	爆炸界限：無
蒸氣壓：無	蒸氣密度：無
密芠：大於 1	溶解度：常態下不溶于水

十、安定性及反應性

安定性：穩定
特殊狀況下可之危害反應
應避免之狀況：無特殊狀況
應避免之物質：無特殊要求
危害分解物：無

十一、毒性資料

急毒性：無
局部效應：無

致敏效應：無
慢毒性或長期毒性：無
特殊效應：無

十二、生態資料

可能之環境影響/環境流布：對環境不會造成污染

十三、廢棄處置方法

廢棄蓰置方法：回體回收或依當地法規處理

十四、運送資料

國際運送規定：無
聯合國編號：無
國內運送規定：無
特殊運送方法及注意事項：防曬 防損

十五、法規資料

適用法規：安全生產法 固體廢物污染防治學或依當地法規

十六、其他資料

參考文獻：無		
備註: 符合 Reach 1 /2/3 級物質的要求		
製表單位	名稱：东莞市鸿鑫鋁箔有限公司	
	位址/電話：東莞市大朗鎮水平村荔華西路 178 號 TEL0769-81062890	
製錶人	職稱：品管	姓名（簽章）麥福林
製錶日期	2012-01-01	

物質安全資料表參考格式

一、物品與廠商資料

物品名稱： 麦拉带
物品編號： PET
製造商或供應商名稱、地址及電話： 供應賞名稱: 铸宝电讯材料（深圳）有限公司 地址: 深圳市宝安区松岗镇洪桥头村渡头工业区第三栋 TEL: 86-0755-27058629/30
緊急聯絡電話/傳真電話：TEL: 86-0755-27058629 FAX: 86-0755-27058631

二、成分辨識資料

純物質：

中英文名稱： 透明麦拉带
同義名稱： PET
化學文摘社登記號碼(CAS No.)： 25038-59-9
危害物質成分(成分百分比) ： /

混合物： PET

化學性質：固態		
危害物質成分之中英文名稱	濃度或濃度範圍(成分百分比)	危害物質分類及圖式
麦拉（PET）	100%	25038-59-9

三、危害辨識資料

最重要危害效應	健康危害效應：无影响
	環境影響：燃烧时時產生的煙霧對空氣造成的污染.
	物理性及化學性危害：加熱、衝擊、火花、明火條件下一般不會產生爆炸
	特殊危害：無
主要症狀：燙傷	
物品危害分類： Cd<5ppm,Pb<50ppm,Hg<2ppm,Cr+6<2ppm,PBB<5ppm ,PBDE<5ppm	

四、急救措施

不同暴露途徑之急救方法：

- 吸入：立即就醫
- 皮膚接觸：不受影响
- 眼睛接觸：不可接触
- 食入：立即就醫

最重要症狀及危害效應：无影响

對急救人員之防護：一般防护措施

對醫師之提示： 吞食时，立即送入医院

五、滅火措施

適用滅火劑：化学干粉灭火器、二氧化碳等灭火器

滅火時可能遭遇之特殊危害：燙傷及吸入煙霧

特殊滅火程序： 无特殊要求
消防人員之特殊防護設備： 一般防护措施

六、洩漏處理方法

個人應注意事項：不存在泄漏现象
環境注意事項：无影响
清理方法：不适用

七、安全處置與儲存方法

處置： 1. 在通风良好的指定的区域环境内；2.远离火花、火源，工作区张贴禁烟标识； 3. 备置随时可用的紧急的应变装备；
儲存： 1. 使用牛皮纸或纸箱封裝,儲存干燥且通风處,遠離熱、火焰及引火源,不可混合強酸、强碱、不可光照、雨淋,與酸性介質接觸或儲存環境濕度过高將使表面氧化发黑。 2. 貯存区应备即可用之灭火器材并置于温度在（20~30℃），相对湿度为（20~80%RH）通风干燥环境中；

八、暴露預防措施

工程控制： 一般通风环境系统。
控制參數： • 八小時日時量平均容許濃度/短時間時量平均容許濃度/最高容許濃度：无 • 生物指標： 无
個人防護設備： • 呼吸防護：无要求 • 手部防護：无要求 • 眼睛防護：不可接触，不需面罩和安全护目镜。 • 皮膚及身體防護：身體穿著工作服；
衛生措施：1.工作场所严禁抽烟或饮食； 2.维持作业场所清洁

九、物理及化學性質

物質狀態：固體	形狀：带状
顏色：透明或黑色	氣味：無气味
pH 值： /	沸點/沸點範圍： N/A
分解溫度：N/A	閃火點： N/A 測試方法： N/A
自燃溫度：不燃	爆炸界限：不會爆炸
蒸氣壓：不適用	蒸氣密度：無
密度：约为 1.3-1.38	溶解度：不溶

十、安定性及反應性

安定性：安定
特殊狀況下可能之危害反應：可燃性
應避免之狀況：遠離熱、火焰及引火源
應避免之物質：強酸、強氧化性介質、强光、水等
危害分解物：二氧化碳、黑烟

十一、毒性資料

急毒性： 无

局部效應： 无
致敏感性： 无相关报告
慢毒性或長期毒性：无相关报告
特殊效應：无相关报告

十二、生態資料

可能之環境影響/環境流佈：无影响

十三、廢棄處置方法

廢棄處置方法： 回收回炉

十四、運送資料

國際運送規定： 一般车辆运送。
聯合國編號： 不需要
國內運送規定： 牛皮纸或纸箱包装后，一般车辆运送。
特殊運送方法及注意事項： 无特殊要求。

十五、法規資料

適用法規： 欧盟指令 ROHS；SONY 之 SS-00259 之要求。

十六、其他資料

參考文獻	ATSM D882A 等	
製表單位	名稱： 铸宝电讯材料（深圳）有限公司	
	地址/電話： 地址：深圳市宝安区松岗镇洪桥头村渡头工业区第三栋 TEL：0755-27058629/30	
製 表 人	職稱： 组长	姓名(簽章)：刘才斌
製表日期	2012-5-20	

上述資料由铸宝公司參考國內外文獻及製造廠商之資料制订而成，不全和错误唯恐难免，各項數據與資料僅供參考，使用者请依应用需求，自行负责判其可用性。

信华 白色 MSDS

Material Safety Data Sheet (MSDS)

1. Manufacturer or Supplier Information

Product name: INK WHITE FOR PVC WIRE&CABLE PRINTING
Synonymous name: INK WHITE FOR PVC WIRE&CABLE PRINTING
Material: environment-friendly material
Manufacturer: Humen Xinhua Printing Equipment Factory
Address: Dagangshan Industrial Park, Humen Town, Dongguan City
Consultant Phone: 0769—85151689 Fax: 0769—85151889

2. Ingredient recognition information

Article name (Chinese and English): PVC 电线电缆印字白色油墨 (INK WHITE FOR PVC WIRE&CABLE PRINTING)
Synonymous name: INK WHITE FOR PVC WIRE&CABLE PRINTING
Health hazard: Non-toxic and harmless
Inflammability: Flammable
Reactivity: None
Icon type: None

Ingredient recognition material					
Name	Molecular formula	Content	CAS.NO.	Molecular weight	Appearance and character
Pigment (Titanium Dioxide)	TiO2	About 14%	13463-67-7	79.87	Pure white granule or powder
Synthetic resin	C6H14O4·W99	About 45%	68648-53-3		Colorless or straw yellow liquid
Isophorone	C9H14O	About 28%	78-59-1	138.21	Colorless and low-volatile liquid
Butyl	C5H10O2	About 13%	592-84-7	102.13	Colorless with aroma

3. Health hazard and emergency treatment

Acute hazard	Eyes: do not directly contact; direct contact may cause red and swollen and slight itch.
	Skin: direct contact will not corrode skin but a slight sting pain.
	Swallow: do you swallow; or else, it will cause acute poisoning represented as vomiting as well as other uncomfortable symptoms.
	Breathe in: a large amount will make light-headed.
Chronic hazard	It will cause the response of chronic poisoning in nerve system and cardiovascular system.
Hazard	None.



Category	

4. Emergency treatment and first-aid measure

Emergency treatment and first-aid measure	Eyes: wash the eyes with large amount of water without any delay. In washing, do pull the eyelids up and have eyeballs move around; when uncomfortable feeling can't be eliminated by water, go to hospital to search for medical treatment immediately (do not rub the eyes hard before washing them with clean water).
	Skin: wash the skin with soap solution or clean water.
	Breathe in: leave the working environment as soon as possible for fresh air in ventilated environment.

5. Exposure prevention measure

Personal Protective Equipment	Eyes: it is better to put on protective glasses
	Skin: put on work clothes to keep it from skin or put on protective gloves to prevent direct contact.
	Breath: put on protective mask
Others	Ventilation equipment: work environment is well ventilated and ventilation equipments are available.
Operation and storage	Operate with proactive glasses, work clothes and protective gloves; stored in the cool and well ventilated place with the cover closed.
Personal health	Try to avoid a long operation and contact; wash the part exposed to contact with soap solution after work.

6. Fire protection measure

Applicable extinguishing agent: bubble, dry powder, CO_2, CCl_4, K_2CO_3, ABC and so on.
Possible special hazard in extinguishment: HCl, CO_2 and CO will make people die of poisoning.
Special extinguishment process: cool down the containers and equipments exposed to frame with water fog, and remove the combustible.
Special equipment for firemen: firemen must be dressed in full-covered chemical protective clothing and air respirator (aluminum anti-flashover coating coat if necessary).

7. Safe treatment and storage method

Treatment: keep it far from fire source in use and treat it properly to avoid a powder accumulation.
Storage 1. Stored in cool, dry and well-ventilated place and kept from direct exposure to sunlight and incompatible matters (heat and fire resources). 2. Stored in a proper and labeled packing barrel. 3. Storage area should be equipped with fire extinguishers.

8. Physical and chemical properties

Substance state (appearance, color and smell): clear, transparent and colorless liquid with

Pungent smell.
Proportion: 0.87~ 0.90
Boiling point: 700C~1300C
Melting point: about -450℃
Steam pressure: ~730mmHg
Steam density (air=1): 0.80~0.95
Evaporation rate (butyl acetate=1): 2~6
Water solubility: insoluble in water
PH： non-aqueous

9. Fire and explosion hazard information

Flash point: ~100C
Explosive limits: upper explosive limit (UEL) 70% (V)
Test method: open-cup test
Lower explosive limit (LEL): 1% (V)
Fire extinguisher: bubble, dry powder, CO2, CCl4, K2CO3 and ABC.
Forbidden fire extinguisher: none Special fire fighting procedure: spray to fire from up to down.

10. Stability and reactivity

Stability: stable in normal condition
Incompatibility: incompatible with water and alcohol
Harmful polymer: none
Harmful decomposer: no harmful decomposer
Condition to be avoided: kept from the contact with strong oxidants

11. Toxicological information

Acute toxicity: the steam from heating may cause pungent smell resulting in sore throat and sickness LD50 (test on animal and absorption approach: 10000mg/kg swallowed by rats).
Local reaction: none
Sensitization: none
Chronic toxicity or long-term toxicity: no proof to display its toxicity.
Special effect:

12. Ecological information

Possible influence on environment: biologically indissoluble in natural environment; disposal at sea or water area is forbidden to prevent from the absorption by marine organism and birds.

13. Emergency treatment of leakage and waste disposal

Emergency treatment of leakage: changing to other containers.
Waste property (controlled toxic waste or common industrial waste): normal waste
Disposal of waste: contained by special barrels at designated area for the treatment of recycling company.

14. Transportation information

International transportation regulation: no hazard category
Domestic transportation regulation: no hazard category
Special transportation method and important notice

15. Law and regulation information

Applicable law: Labor safety and sanitation facility regulation Dangerous and harmful matter general rule labor safety regulation for high-pressure gas Standard of allowable harmful gas concentration in labor environment Safety rule of road

16. Other information

Reference	
Table Unit	Company name: Humen Xinhua Printing Equipment Factory
	Address: Dagangshan Industrial Park, Humen Town, Dongguan City
	Phone: 0769—85151689 Fax: 0769—85151889
Table Maker	Title: director of printing ink department Name: Yang Lingling
Date	July, 2007

Humen Xinhua Printing Equipment Factory
July, 2007

Test Report

Report No. A2260093674101001

Company Name shown on Report	BAIHONG METAL TECHNOLOGY (ANFU) CO.,LTD
Address	REGISTERED ADD. NEXT TO HOPE AVENUE, HIGH TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	Tin-plated Copper Wire
Sample Received Date	Feb. 2, 2026
Testing Period	Feb. 2, 2026 to Feb. 5, 2026
Test Requested	As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).

Approved by: Hill Zheng

Hill Zheng

Technical Manager

Date: Feb. 5, 2026

No. R294341496

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

Test Report

Report No. A2260093674101001

Test Result(s)

Tested Item(s)	Result	MDL
	001	
Lead (Pb)	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg
Mercury (Hg)	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D. ▼	0.10 μg/cm² (LOQ)

Tested Item(s)	Result	MDL
	001	
Polybrominated Biphenyls (PBBs)		
Monobromobiphenyl	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	5 mg/kg

Tested Item(s)	Result	MDL
	001	
Polybrominated Diphenyl Ethers (PBDEs)		
Monobromodiphenyl ether	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	5 mg/kg

Test Report

Report No. A2260093674101001

Test Result(s)

Tested Item(s)	Result	MDL
	001	
Phthalates (DBP, BBP, DEHP, DIBP)		
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Metal wire with silvery plating

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL or LOQ)

-mg/kg = ppm = parts per million

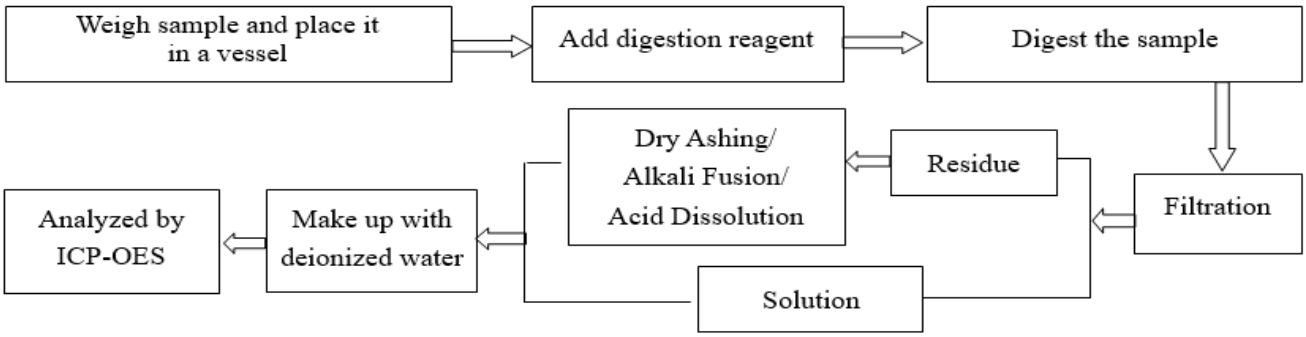
-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm²

-▼The sample is negative for Cr(VI) − The Cr(VI) concentration is below 0.10 μg/cm². The coating is considered a non-Cr(VI) based coating. Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

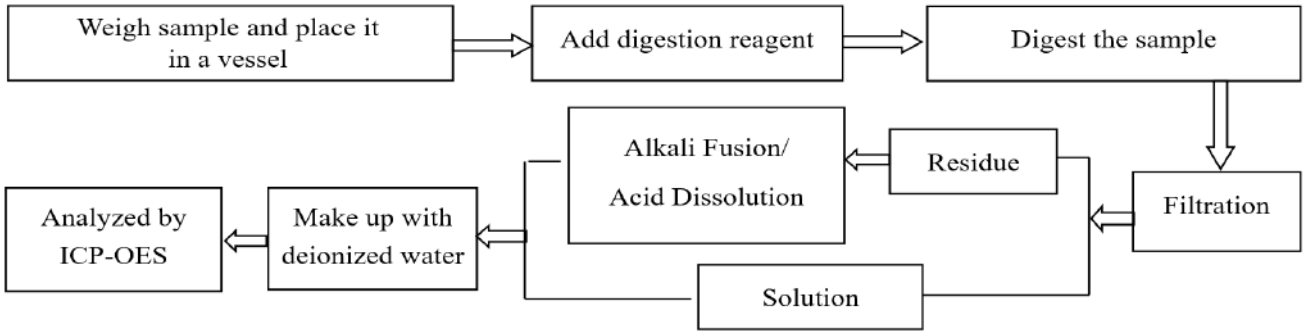
Test Report

Test Process

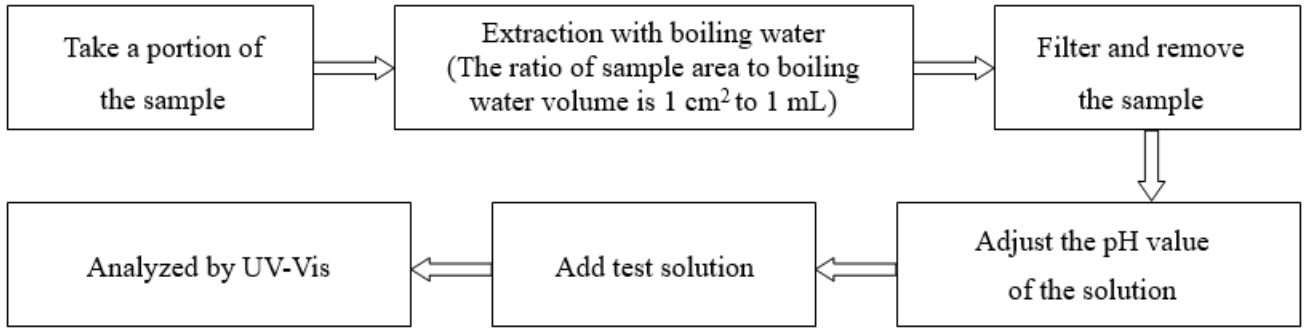
1. Lead (Pb), Cadmium (Cd)



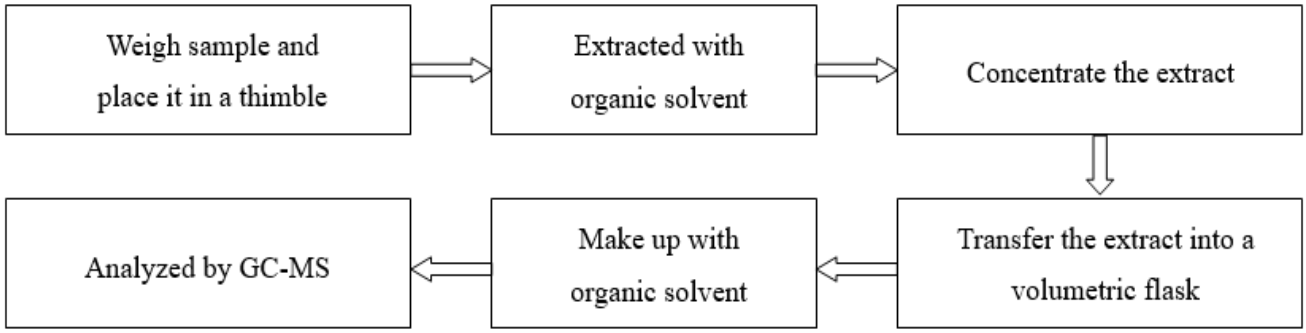
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))

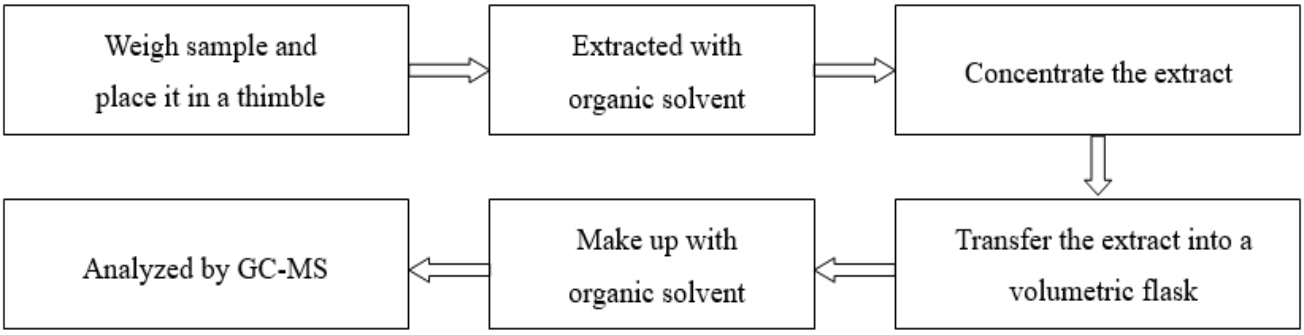


4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



Test Report

5. Phthalates (DBP, BBP, DEHP, DIBP)



Test Report

Report No. A2260093674101001

Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
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*** End of report ***

Test Report

Company Name shown on Report	BAIHONG METAL TECHNOLOGY (ANFU) CO.,LTD
Address	REGISTERED ADD. NEXT TO HOPE AVENUE, HIGH TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	Tin-plated Copper Wire、 Copper Wire
Sample Received Date	Feb. 2, 2026
Testing Period	Feb. 2, 2026 to Feb. 4, 2026

Test Requested	As specified by client, to screen the 73 substances of very high concern(SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).

Summary	According to the analytical results, concentrations of SVHC are ≤ 0.1% (w/w) in the submitted sample(s).	**PASS**

Approved by: Ophelie Wen Date: Feb. 4, 2026

Ophelie Wen
Lab Authorized Signatory

No. R294344756

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Test Result(s)

Batch	No.	Substance Name(s)	CAS No.	Concentration (%)	RL (%)
				001	
-	-	All tested SVHC (See the candidate list)	-	N.D.	-

Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, EN 14582:2016 for sample pretreatment.

Analyzed by ICP-OES, UV-Vis, PLM, SEM and IC.

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Mixed test, metal wire with silvery plating and cupreous metal wire

Remark:

1. The table of tested result(s) only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the Candidate List of SVHC on next pages.
2. w/w = weight by weight; 0.1% = 1000 mg/kg =1000 ppm
3. N.D. = Not Detected (< RL)
4. RL = Report Limit (Concentration value will be shown if it ≥ RL. RL is not regulatory limit.)
5. *: Concentration value of the substance by the conversion from the test results of certain elements.
6. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
7. ***: C.I.: Colour Index
8. *****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.
   Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
9. ①: In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking SDS or requesting from suppliers.
10. ②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
11. As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

Test Report

Candidate List of SVHC

Batch	No.	Substance Name(s)	CAS No.	RL (%)
I	1	Cobalt dichloride*	7646-79-9	0.01
I	2	Diarsenic pentaoxide*	1303-28-2	0.01
I	3	Diarsenic trioxide*	1327-53-3	0.01
I	4	Sodium dichromate*	7789-12-0 10588-01-9	0.01
I	5	Lead hydrogen arsenate*	7784-40-9	0.01
I	6	Triethyl arsenate*	15606-95-8	0.01
II	7	②Lead chromate	7758-97-6	0.01
II	8	②Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	0.01
II	9	②Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	0.01
III	10	Boric acid*	10043-35-3 11113-50-1	0.01
III	11	②Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	0.01
III	12	②Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	0.01
III	13	Sodium chromate*	7775-11-3	0.01
III	14	Potassium chromate*	7789-00-6	0.01
III	15	Ammonium dichromate*	7789-09-5	0.01
III	16	Potassium dichromate*	7778-50-9	0.01
IV	17	Cobalt(Ⅱ) sulphate*	10124-43-3	0.01
IV	18	Cobalt(Ⅱ) dinitrate*	10141-05-6	0.01
IV	19	Cobalt(Ⅱ) carbonate*	513-79-1	0.01
IV	20	Cobalt(Ⅱ) diacetate*	71-48-7	0.01
IV	21	Chromium trioxide*	1333-82-0	0.01
IV	22	①Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.01
V	23	Strontium chromate*	7789-06-2	0.01
VI	24	Dichromium tris(chromate)*	24613-89-6	0.01
VI	25	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.01
VI	26	Pentazinc chromate octahydroxide*	49663-84-5	0.01
VI	27	②Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	0.01
VI	28	②Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	0.01
VI	29	Arsenic acid*	7778-39-4	0.01
VI	30	Calcium arsenate*	7778-44-1	0.01
VI	31	Trilead diarsenate*	3687-31-8	0.01
VI	32	Lead diazide, Lead azide*	13424-46-9	0.01
VI	33	Lead styphnate*	15245-44-0	0.01
VI	34	Lead dipicrate*	6477-64-1	0.01
VII	35	Diboron trioxide*	1303-86-2	0.01
VII	36	Lead(II) bis(methanesulfonate)*	17570-76-2	0.01
VIII	37	Pentalead tetraoxide sulphate*	12065-90-6	0.01
VIII	38	Dioxobis(stearato)trilead*	12578-12-0	0.01
VIII	39	Lead dinitrate*	10099-74-8	0.01
VIII	40	Tetralead trioxide sulphate*	12202-17-4	0.01
VIII	41	Lead monoxide (lead oxide)*	1317-36-8	0.01

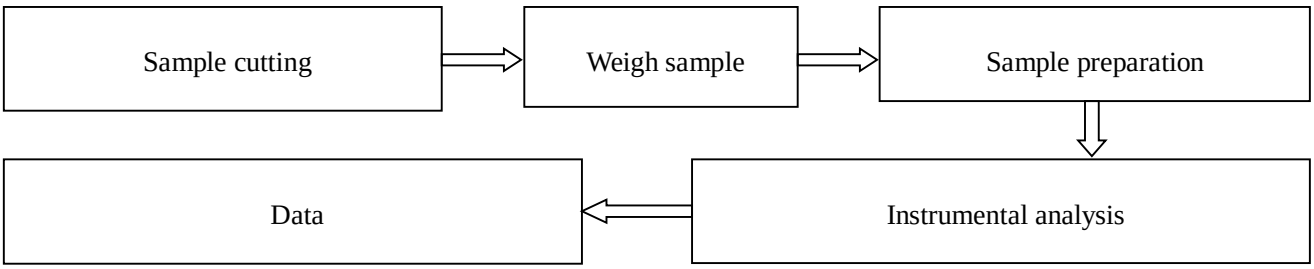
Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
VIII	42	Lead titanium trioxide*	12060-00-3	0.01
VIII	43	Acetic acid, lead salt, basic*	51404-69-4	0.01
VIII	44	Pyrochlore, antimony lead yellow*	8012-00-8	0.01
VIII	45	Tetraethyllead*	78-00-2	0.01
VIII	46	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.01
VIII	47	Lead cyanamidate*	20837-86-9	0.01
VIII	48	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	0.01
VIII	49	Trilead dioxide phosphonate*	12141-20-7	0.01
VIII	50	Lead titanium zirconium oxide*	12626-81-2	0.01
VIII	51	Trilead bis(carbonate)dihydroxide*	1319-46-6	0.01
VIII	52	Fatty acids, C16-18, lead salts*	91031-62-8	0.01
VIII	53	Orange lead (lead tetroxide)*	1314-41-6	0.01
VIII	54	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
VIII	55	Lead oxide sulfate*	12036-76-9	0.01
VIII	56	Lead bis(tetrafluoroborate)*	13814-96-5	0.01
VIII	57	Silicic acid, lead salt*	11120-22-2	0.01
IX	58	Cadmium	7440-43-9	0.01
IX	59	Cadmium oxide*	1306-19-0	0.01
X	60	Cadmium sulphide*	1306-23-6	0.01
X	61	Lead di(acetate)*	301-04-2	0.01
XI	62	Cadmium chloride*	10108-64-2	0.01
XI	63	②Sodium perborate; perboric acid, sodium salt*****	15120-21-5 11138-47-9	0.01
XI	64	②Sodium peroxometaborate*****	7632-04-4	0.01
XII	65	Cadmium fluoride*	7790-79-6	0.01
XII	66	Cadmium sulphate*	10124-36-4 31119-53-6	0.01
XVIII	67	Cadmium nitrate*	10325-94-7	0.01
XVIII	68	Cadmium carbonate*	513-78-0	0.01
XVIII	69	Cadmium hydroxide*	21041-95-2	0.01
XIX	70	Lead	7439-92-1	0.01
XIX	71	Disodium octaborate*	12008-41-2	0.01
XXV	72	Orthoboric acid, sodium salt *	13840-56-7	0.01
XXVIII	73	Barium diboron tetraoxide*	13701-59-2	0.01

REACH Regulation obligation:

1. In accordance with Article 7(2) of the EU REACH Regulation (No. 1907/2006), any producer or importer of articles shall notify the European Chemicals Agency as stipulated in Article 7(4), if an article contains a substance from the Candidate List of Substances of Very High Concern (SVHCs) and both the following conditions are met:
   (a) the substance is present in those articles in quantities totalling over one tonne per producer or importer per year;
   (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
2. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of EU REACH Regulation (No. 1907/2006).
   1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
   2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
3. In accordance with Article 31 of the EU REACH Regulation (No. 1907/2006), the supplier of a substance or a mixture shall provide the recipient of the substance or mixture with a safety data sheet (SDS) for free compiled in accordance with Annex II of REACH.
   1) where a substance or mixture meets the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008; or
   2) where a substance is persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII; or
   3) where a substance is included in the list established in accordance with Article 59(1) for reasons other than those referred to in points (a) and (b);
   4) the supplier shall provide the recipient at his request with a safety data sheet (SDS) compiled in accordance with Annex II, where a mixture does not meet the criteria for classification as hazardous in accordance with Titles I and II of Regulation (EC) No 1272/2008, but contains:
   (a) in an individual concentration of ≥ 1 % by weight for non-gaseous mixtures and ≥ 0.2 % by volume for gaseous mixtures at least one substance posing human health or environmental hazards; or
   (b) in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures at least one substance that has been included in the Candidate List of Substances of Very High Concern (SVHCs); or
   (c) a substance for which there are Community workplace exposure limits.
4. Companies supplying articles containing Substances of Very High Concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market have to submit information on these articles to ECHA in accordance with Waste Framework Directive (WFD) (No 2008/98, as from 5 January 2021.

Test Process



Test Report

Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
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Test Report

No.: SZXEC26003535908 **Date:** Jun 10, 2026

Client Name: OUTSTANDING TELE-COMMUNICATIONS MATERIAL SHENZHEN CO., LTD / HUIZHOU LISHENG PRECISION MATERIALS CO., LTD

Client Address: NO.19 GUANGJIN ROAD, SHAPU 3RD INDUSTRY ZONE, SONGGANG TOWN, BAO`AN DISTRICT, SHENZHEN CITY / BUILDING 33, LONGMENHOU INDUSTRY ZONE, LONGMEN COUNTY, HUIZHOU CITY

Sample Name: (8.12.15.20.25)U PET

Model No.: Transparent

The above sample(s) and information were provided by the client.

SGS Job No.: SZP26-027651

Sample Receiving Date: Jun 03, 2026

Testing Period: Jun 03, 2026 ~ Jun 10, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EN 71-3: 2019+ A2:2024 - Migration of certain elements (Category III:for scrapped-off toy material)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Ford Shi
Approved Signatory

Scan to see the report

47CEAFC3

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	SZX26-0035359-0001.C005	Colorless transparent film

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EN 71-3: 2019+ A2:2024 - Migration of certain elements (Category III:for scrapped-off toy material)

Test Method: With reference to EN 71-3:2019+ A2:2024, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

Test Item(s)	Limit	Unit(s)	MDL	A5
Mass of trace amount	-	mg	-	/
Soluble Lead(Pb)	23	mg/kg	5	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND
Soluble Arsenic(As)	47	mg/kg	10	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND
Soluble Selenium(Se)	460	mg/kg	10	ND
Soluble Boron(B)	15000	mg/kg	50	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND
Soluble Aluminum(Al)	28130	mg/kg	50	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND
Soluble Tin(Sn)	180000	mg/kg	3.0	ND
Soluble Organic Tin*	12	mg/kg	-	ND
Conclusion				**Pass**

Notes:

(1) According to Chapter of 10.1.2 of EN 71-3:2019+ A2:2024, Chromium (III) is calculated by the following formula:
Soluble Chromium (III) = Soluble Total Chromium - Soluble Chromium (VI)
(2) *Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+ A2:2024.
(3) /=Not Applicable

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江灏（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编：518129 t (86-755) 25328888 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Sample Photo:



SZX26-0035359-0001.C005

SGS authenticate the photo on original report only

*** End of Report ***

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Test Report

No.: SZXEC26003535905 **Date:** Jun 10, 2026

Client Name: OUTSTANDING TELE-COMMUNICATIONS MATERIAL SHENZHEN CO., LTD / HUIZHOU LISHENG PRECISION MATERIALS CO., LTD

Client Address: NO.19 GUANGJIN ROAD, SHAPU 3RD INDUSTRY ZONE, SONGGANG TOWN, BAO`AN DISTRICT, SHENZHEN CITY / BUILDING 33, LONGMENHOU INDUSTRY ZONE, LONGMEN COUNTY, HUIZHOU CITY

Sample Name: (8.12.15.20.25)U PET

Model No.: Transparent

The above sample(s) and information were provided by the client.

SGS Job No.: SZP26-027651

Sample Receiving Date: Jun 03, 2026

Testing Period: Jun 03, 2026 ~ Jun 10, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
Hexabromocyclododecane (HBCDD)	See Results
Halogen	See Results
Phthalates	See Results
Polycyclic Aromatic Hydrocarbons (PAHs)	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Ford

Ford Shi
Approved Signatory

Scan to see the report

17BEDB96

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	SZX26-0035359-0001.C005	Colorless transparent film

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A5
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A5
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Hexabromocyclododecane (HBCDD)

Test Method: With reference to IEC 62321-9:2021, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A5
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	134237-50-6 /134237-51-7 /134237-52-8 /25637-99-4 /3194-55-6	mg/kg	20	ND

Halogen

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	A5
Fluorine(F)	mg/kg	20	ND
Chlorine(Cl)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
Iodine(I)	mg/kg	50	ND

Phthalates

Test Method: With reference to EN 14372:2004, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A5
Dibutyl Phthalate(DBP)	84-74-2	%	0.003	ND
Benzyl Butyl Phthalate(BBP)	85-68-7	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	%	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	%	0.010	ND

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Test Item(s)	CAS No.	Unit(s)	MDL	A5
Di-n-Octyl Phthalate(DNOP)	117-84-0	%	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	%	0.010	ND
Dimethyl Phthalate(DMP)	131-11-3	%	0.003	ND
Diethyl Phthalate(DEP)	84-66-2	%	0.003	ND
Diisobutyl Phthalate(DIBP)	84-69-5	%	0.003	ND
Di-n-pentyl Phthalate (DnPP)	131-18-0	%	0.003	ND
Dicyclohexyl Phthalate(DCHP)	84-61-7	%	0.003	ND
Bis(2-methoxyethyl)phthalate(DMEP)	117-82-8	%	0.003	ND
Diisopentyl Phthalate(DIPP)	605-50-5	%	0.003	ND
n-pentyl Isopentyl Phthalate(nPIPP)	776297-69-9	%	0.003	ND
Diphenyl Phthalate(DPhP)	84-62-8	%	0.003	ND
Dibenzyl Phthalate(DBzP)	523-31-9	%	0.003	ND
Diisooctyl Phthalate(DIOP)	27554-26-3	%	0.010	ND
Dipropyl Phthalate(DPrP)	131-16-8	%	0.003	ND
Dinonyl Phthalate(DNP)	84-76-4	%	0.003	ND
Di-n-Hexyl Phthalate(DnHP)	84-75-3	%	0.003	ND

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A5
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Benzo(b)Fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)Fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Dibenzo(a,h)Anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Acenaphthylene(ANY)	208-96-8	mg/kg	0.1	ND
Acenaphthene(ANA)	83-32-9	mg/kg	0.1	ND
Fluorene(FLU)	86-73-7	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	mg/kg	-	ND
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Sum of 18 PAHs	-	mg/kg	-	ND

Notes:
Client requirements

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Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use -in toys according to Directive 2009/48/EC or -for the use by children[a,b] up to 3 years of age.	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact[c] with skin during the intended or foreseeable use[d].		Materials covered neither by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use.	
		a. use by children	b. other consumer products	a. use by children	b. other consumer products
Benzo(a)pyrene (BaP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene (BeP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene (BaA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene (BbF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene (BjF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracene (DBA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Sum of 7 PAHs (Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene)	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP) mg/kg	< 1	< 2		< 10	
Sum of 18 PAHs	<1	< 5	< 10	< 20	< 50

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[a] A “Child” is legally defined as a person before reaching the age of 14 years.
[b] Use by children includes both active and passive contact by children.
[c] Definition “short-term repetitive contact” taken from REACH Annex XVII entry 50 amendment (Regulation (EC) No. 1272/2013)
[d] According to the definition of the German Product Safety Act (ProdSG) (chapter 1 Article 2 No. 28) “foreseeable use” shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

Remark:

The classification of material categories is refer to AfPS GS 2019:01 PAK issued on 10 April, 2020. The Acenaphthylene (ANY), Acenaphthene (ANA) and Fluorene (FLU) are not in the scope of AfPS 2019:1 PAK which is additionally in scope of AfPS GS 2014:01 PAK and recommended in connection with §30 LFGB product safety requirements.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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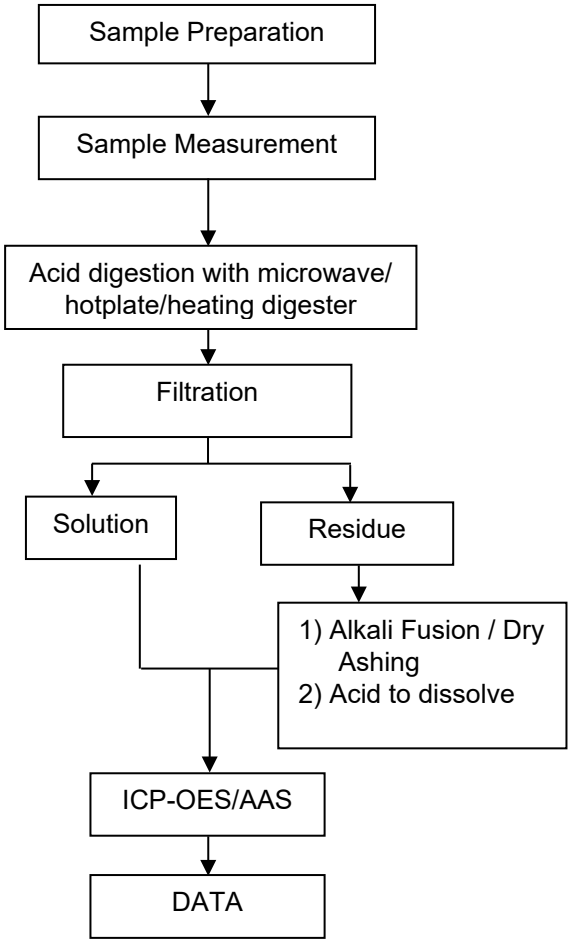
Elements Testing Flow Chart

These samples of Pb/Cd/Hg were dissolved totally by pre-conditioning method according to below flow chart.



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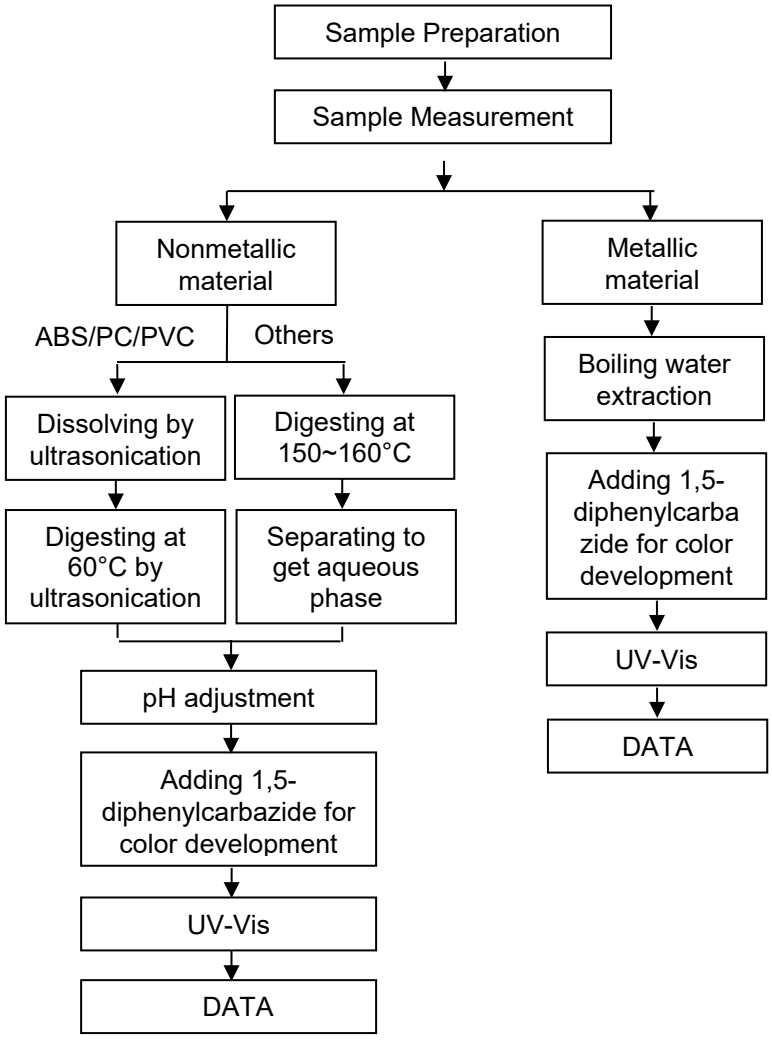
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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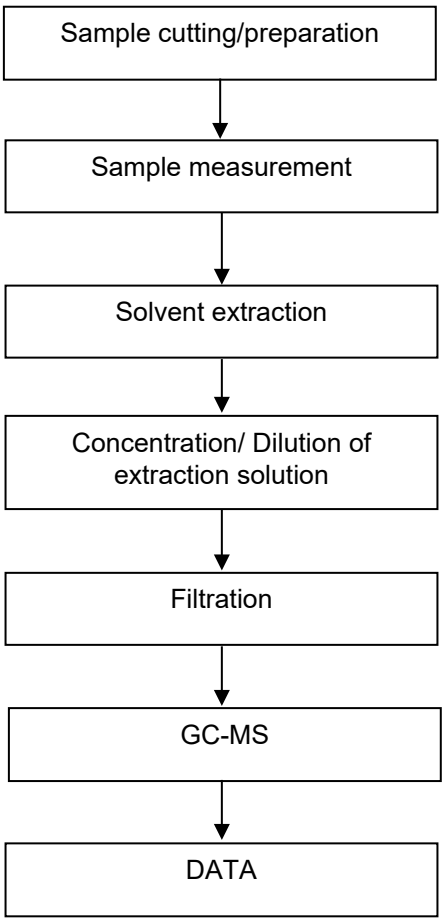
PBB(s)/PBDE(s) Testing Flow Chart



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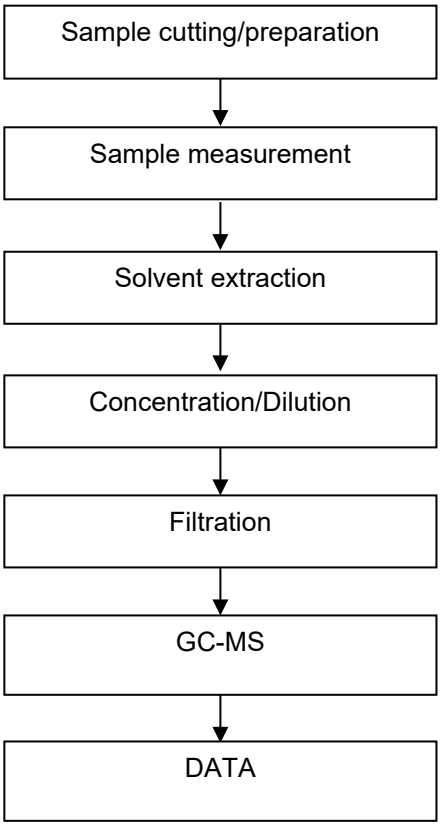
Phthalates Testing Flow Chart



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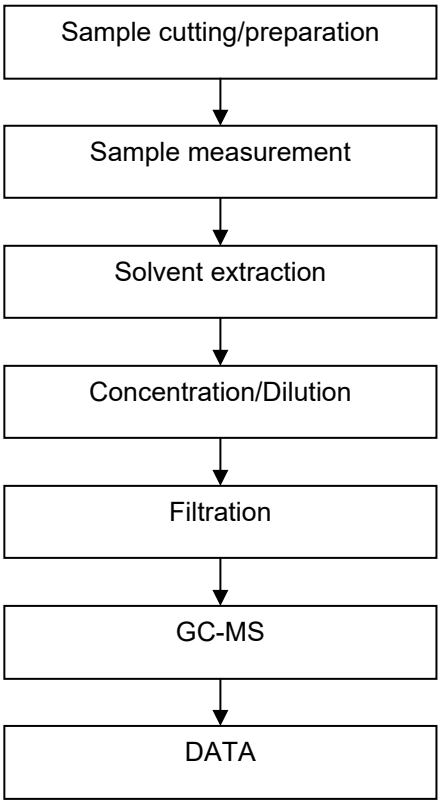
HBCDD Testing Flow Chart



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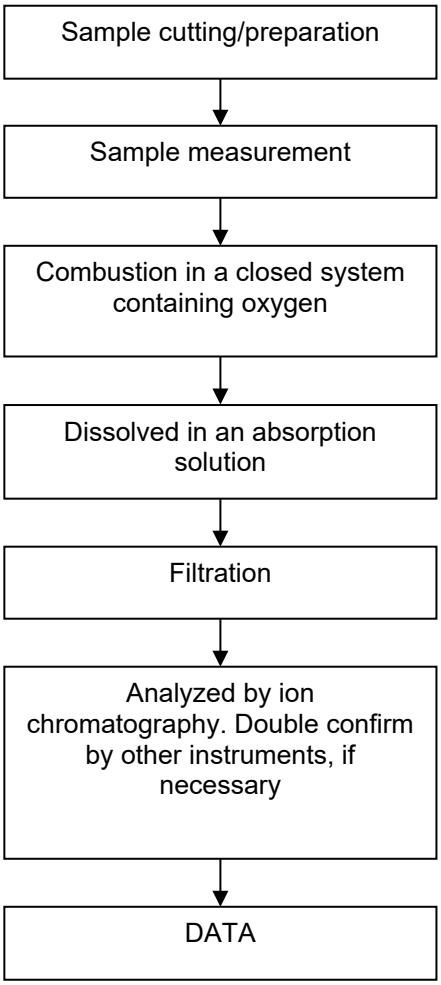
Halogen Testing Flow Chart



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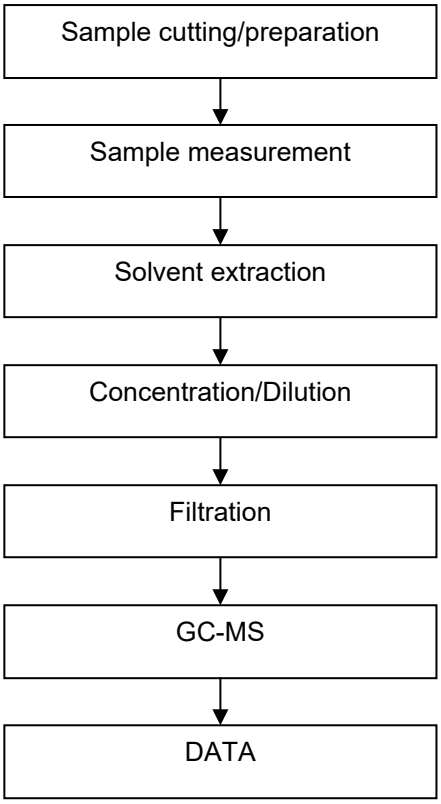
PAHs Testing Flow Chart



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Sample Photo:



SZX26-0035359-0001.C005

SGS authenticate the photo on original report only

*** End of Report ***

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Test Report (SVHC)

No.: CANEC26009842102 **Date:** Apr 29, 2026

Client Name: OUTSTANDING TELE-COMMUNICATIONS MATERIAL SHENZHEN CO.,LTD / HUIZHOU LISHENG PRECISION MATERIALS CO.,LTD

Client Address: NO.19 GUANGJIN ROAD,SHAPU 3RD INDUSTRY ZONE,SONGGANG TOWN,BAO`AN DISTRICT,SHENZHEN CITY / BUILDING 33,LONGMENHOU INDUSTRY ZONE,LONGMEN COUNTY,HUIZHOU CITY

Sample Name: (13.16.18.20.25.30) U AL/PET

Model No.: Silvery

The above sample(s) and information were provided by the client.

SGS Job No.: SZP26-020293

Sample Receiving Date: Apr 21, 2026

Testing Period: Apr 21, 2026 ~ Apr 29, 2026

Test Requested: As requested by client, SVHC in Candidate List screening is performed according to:
(i) Two hundred and fifty-three (253) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Feb 4, 2026 regarding Regulation (EC) No 1907/2006 concerning the REACH.
As requested by client, Potential SVHC screening is performed according to:
(i) One (1) potential Substances of Very High Concern (SVHC) in the Identification ongoing.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the results of 253 SVHC in the Candidate List are ≤ 0.1% (w/w) in the submitted sample.	Pass
According to the specified scope and evaluation screening, the results of 1 Potential SVHC are ≤ 0.1% (w/w) in the submitted sample.	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie-JX Li
Approved Signatory

Scan to see the report

81B06EB2

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

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(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Silvery/silver-gray film	A1	CAN26-0098421-0001.C001

Test Method:
With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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Result of SVHC in the Candidate List

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

Result of Potential SVHC

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
/	All Potential SVHC	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5) / = Potential SVHC

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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Appendix:

Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Anthracene oil**	90640-80-5	0.050
II	18	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	19	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	20	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	21	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	22	Diisobutyl phthalate	84-69-5	0.050
II	23	Lead chromate*	7758-97-6	0.005
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	26	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	27	Tris(2-chloroethyl)phosphate	115-96-8	0.050
II	28	Acrylamide	79-06-1	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.050
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
		and its acyl halides (covering any of their individual isomers and combinations thereof)		
XXI	199	2-methoxyethyl acetate	110-49-6	0.050
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.050
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.050
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050
XXXI	242	Triphenyl phosphate	115-86-6	0.050
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.050
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.050
XXXII	245	Octamethyltrisiloxane	107-51-7	0.050
XXXII	246	Perfluamine	338-83-0	0.050
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.050
XXXIII	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
XXXIII	249	Decamethyltetrasiloxane	141-62-8	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXXIII	250	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.050
XXXIV	251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	84852-53-9	0.050
XXXV	252	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (BPAF) and its salts	-	0.050
XXXV	253	n-hexane	110-54-3	0.050
/	254	Resorcinol	108-46-3	0.050

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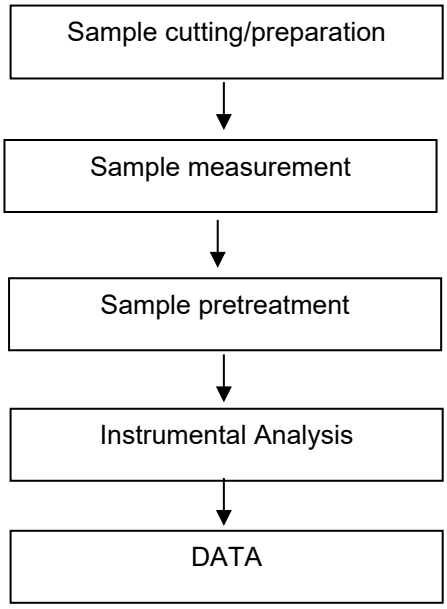
ATTACHMENTS

Testing Flow Chart



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Sample photos:



CAN26-0098421-0001.C001

SGS authenticate the photo on original report only

*** End of Report ***

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Member of the SGS Group (SGS SA)

Test Report

No.: SZXEC26003535901 **Date:** Jun 10, 2026

Client Name: OUTSTANDING TELE-COMMUNICATIONS MATERIAL SHENZHEN CO., LTD / HUIZHOU LISHENG PRECISION MATERIALS CO., LTD

Client Address: NO.19 GUANGJIN ROAD, SHAPU 3RD INDUSTRY ZONE, SONGGANG TOWN, BAO`AN DISTRICT, SHENZHEN CITY / BUILDING 33, LONGMENHOU INDUSTRY ZONE, LONGMEN COUNTY, HUIZHOU CITY

Sample Name: (13.18.20.25.30.35) U AL/PET

Model No.: Silver

The above sample(s) and information were provided by the client.

SGS Job No.: SZP26-027651

Sample Receiving Date: Jun 03, 2026

Testing Period: Jun 03, 2026 ~ Jun 10, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
Hexabromocyclododecane (HBCDD)	See Results
Polycyclic Aromatic Hydrocarbons (PAHs)	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Ford Shi
Approved Signatory

Scan to see the report

6B48FA9E

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SZX26-0035359-0001.C001	Silvery film

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A1
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Hexabromocyclododecane (HBCDD)

Test Method: With reference to IEC 62321-9:2021, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	134237-50-6 /134237-51-7 /134237-52-8 /25637-99-4 /3194-55-6	mg/kg	20	ND

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Benzo(b)Fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)Fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Dibenzo(a,h)Anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Acenaphthylene(ANY)	208-96-8	mg/kg	0.1	ND
Acenaphthene(ANA)	83-32-9	mg/kg	0.1	ND
Fluorene(FLU)	86-73-7	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND

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Test Item(s)	CAS No.	Unit(s)	MDL	A1
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	mg/kg	-	ND
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Sum of 18 PAHs	-	mg/kg	-	ND

Notes:
Client requirements

Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use -in toys according to Directive 2009/48/EC or -for the use by children[a,b] up to 3 years of age.	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact[c] with skin during the intended or foreseeable use[d].		Materials covered neither by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use.	
		a. use by children	b. other consumer products	a. use by children	b. other consumer products
Benzo(a)pyrene (BaP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene (BeP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene (BaA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene (BbF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene (BjF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracene (DBA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Technical Services Test Laboratory

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Sum of 7 PAHs (Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene)	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP) mg/kg	< 1	< 2		< 10	
Sum of 18 PAHs	<1	< 5	< 10	< 20	< 50

Note:
[a] A “Child” is legally defined as a person before reaching the age of 14 years.
[b] Use by children includes both active and passive contact by children.
[c] Definition “short-term repetitive contact” taken from REACH Annex XVII entry 50 amendment (Regulation (EC) No. 1272/2013)
[d] According to the definition of the German Product Safety Act (ProdSG) (chapter 1 Article 2 No. 28) “foreseeable use” shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

Remark:

The classification of material categories is refer to AfPS GS 2019:01 PAK issued on 10 April, 2020. The Acenaphthylene (ANY), Acenaphthene (ANA) and Fluorene (FLU) are not in the scope of AfPS 2019:1 PAK which is additionally in scope of AfPS GS 2014:01 PAK and recommended in connection with §30 LFGB product safety requirements.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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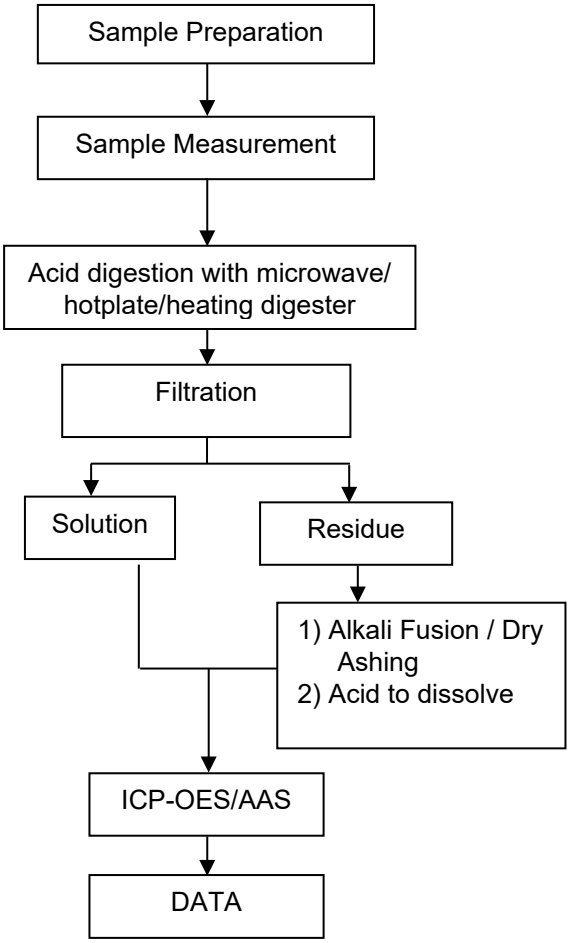
Elements Testing Flow Chart

These samples of Pb/Cd/Hg were dissolved totally by pre-conditioning method according to below flow chart.



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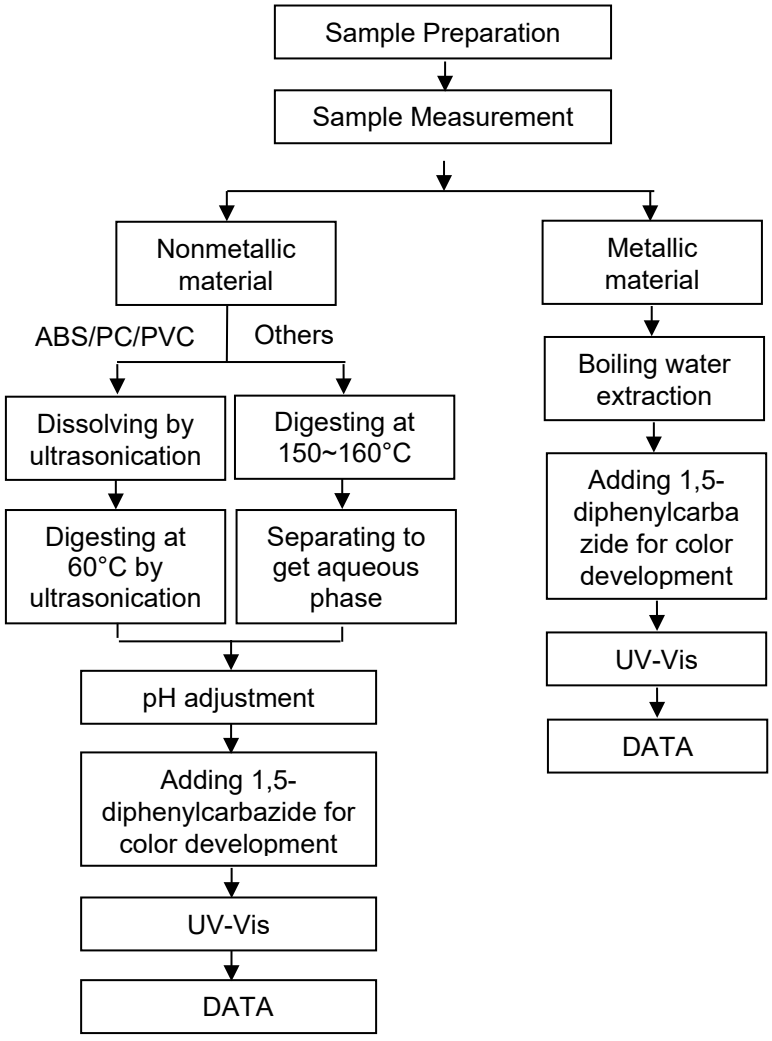
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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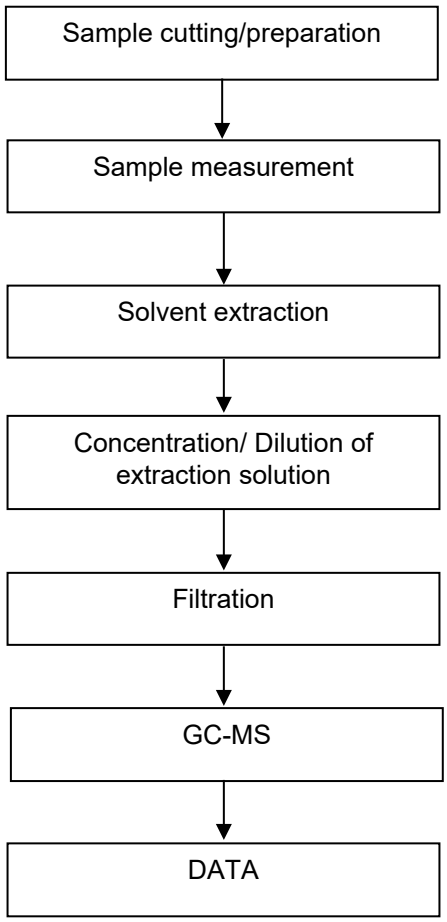
PBB(s)/PBDE(s) Testing Flow Chart



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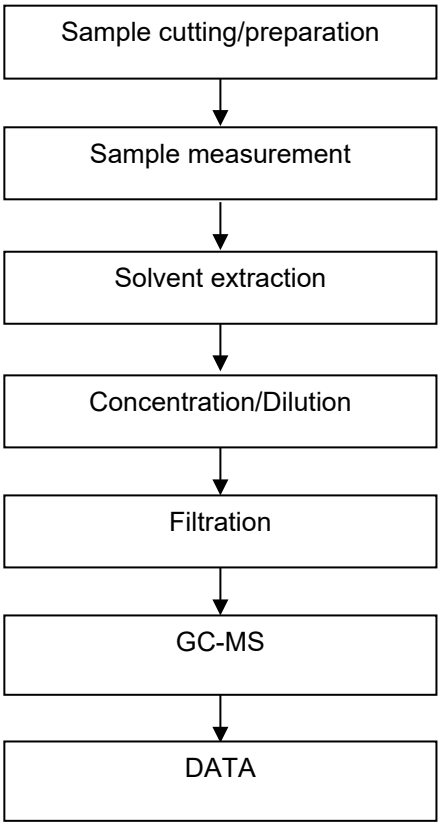
Phthalates Testing Flow Chart



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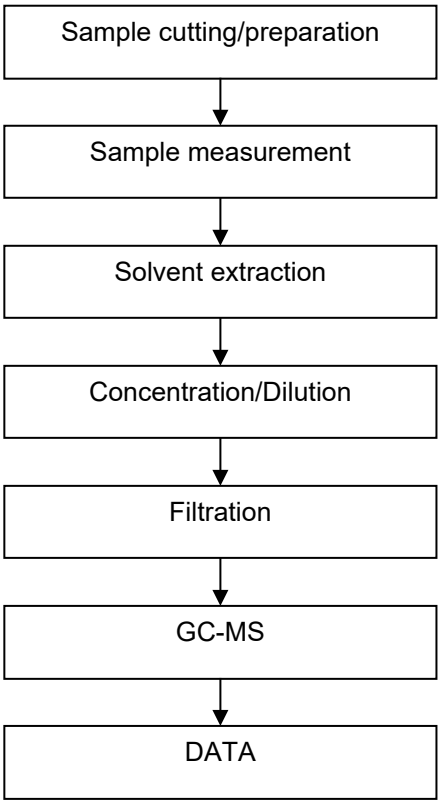
HBCDD Testing Flow Chart



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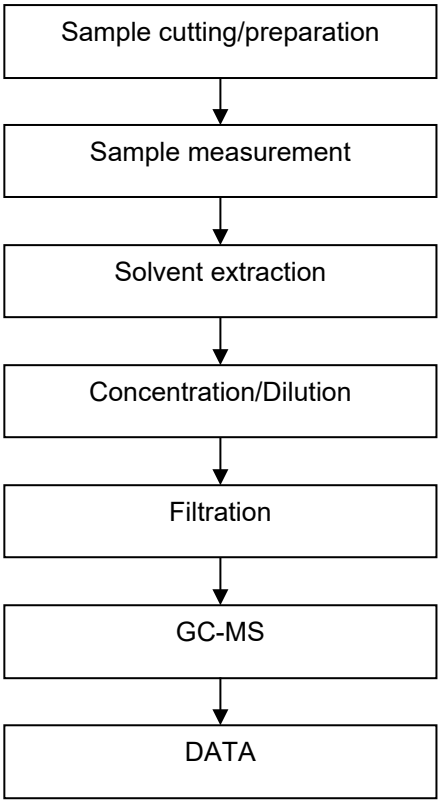
PAHs Testing Flow Chart



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Sample Photo:



SZX26-0035359-0001.C001

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CTI 华测检测

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检测
TESTING
CNAS L1910

Test Report

Report No. A2250831989101004

Company Name shown on Report	DONGGUAN HAODENGXIN PRECISION MACHINERY CO.,LTD .
Address	ROOM 104, BUILDING B, NO.107, LIYATANG INDUSTRIAL ZONE, LINCUN VILLAGE, TANGXIA TOWN, DONGGUAN CITY

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	白色油墨
Model No.	102
Color	白色
Sample Received Date	Nov. 10, 2025
Testing Period	Nov. 10, 2025 to Nov. 14, 2025

Test Requested	As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).

****

Conclusion

Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	PASS

****

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

Approved by: Hill Zheng

Hill Zheng
Technical Manager

Date: Nov. 14, 2025

No. R517221839

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-12:2023	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-12:2023	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-12:2023	GC-MS

Test Report

Report No. A2250831989101004

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	004		
Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

Tested Item(s)	Result	MDL	Limit
	004		
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	25 mg/kg	1000 mg/kg
Dibromobiphenyl	N.D.	25 mg/kg	
Tribromobiphenyl	N.D.	25 mg/kg	
Tetrabromobiphenyl	N.D.	25 mg/kg	
Pentabromobiphenyl	N.D.	25 mg/kg	
Hexabromobiphenyl	N.D.	25 mg/kg	
Heptabromobiphenyl	N.D.	25 mg/kg	
Octabromobiphenyl	N.D.	25 mg/kg	
Nonabromobiphenyl	N.D.	25 mg/kg	
Decabromobiphenyl	N.D.	25 mg/kg	

Tested Item(s)	Result	MDL	Limit
	004		
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	25 mg/kg	1000 mg/kg
Dibromodiphenyl ether	N.D.	25 mg/kg	
Tribromodiphenyl ether	N.D.	25 mg/kg	
Tetrabromodiphenyl ether	N.D.	25 mg/kg	
Pentabromodiphenyl ether	N.D.	25 mg/kg	
Hexabromodiphenyl ether	N.D.	25 mg/kg	
Heptabromodiphenyl ether	N.D.	25 mg/kg	
Octabromodiphenyl ether	N.D.	25 mg/kg	
Nonabromodiphenyl ether	N.D.	25 mg/kg	
Decabromodiphenyl ether	N.D.	25 mg/kg	

Test Report

Report No. A2250831989101004

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	004		
Phthalates (DBP, BBP, DEHP, DIBP)			
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	004	White ink

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**

-MDL = Method Detection Limit

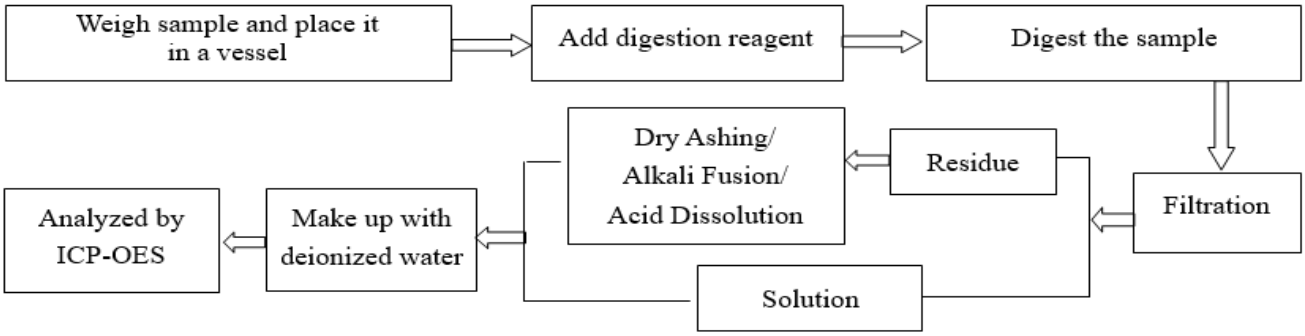
-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

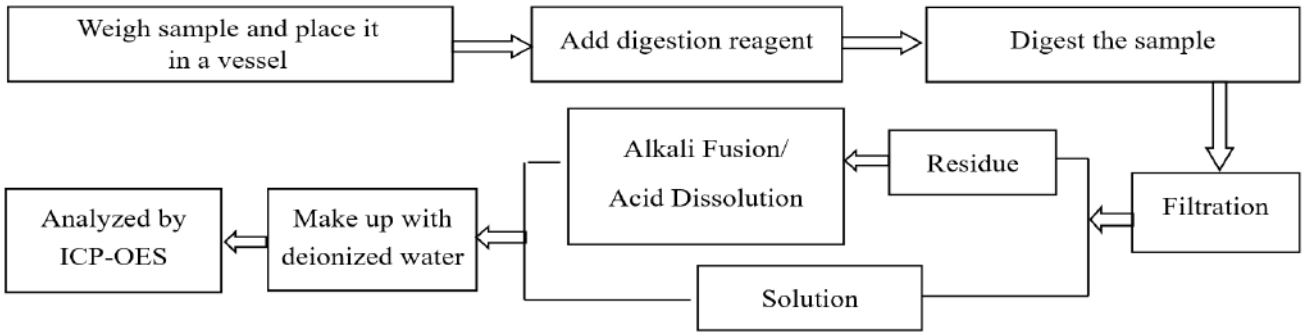
-1000 mg/kg = 0.1%

Test Process

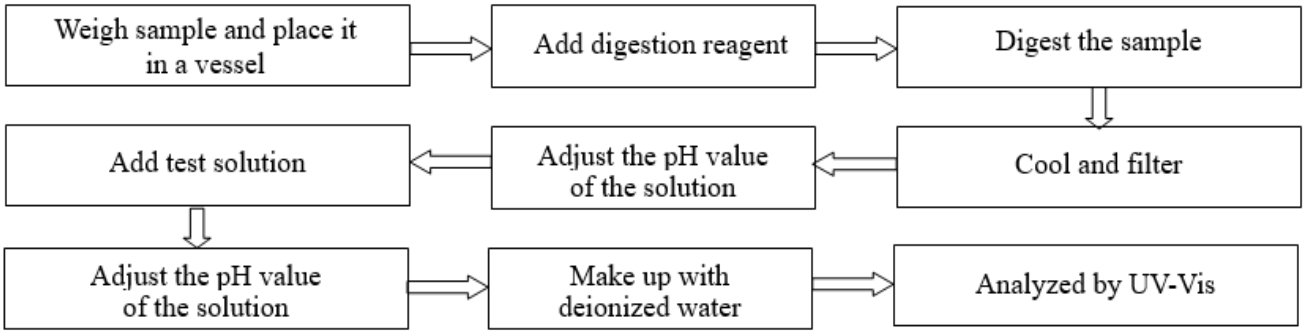
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



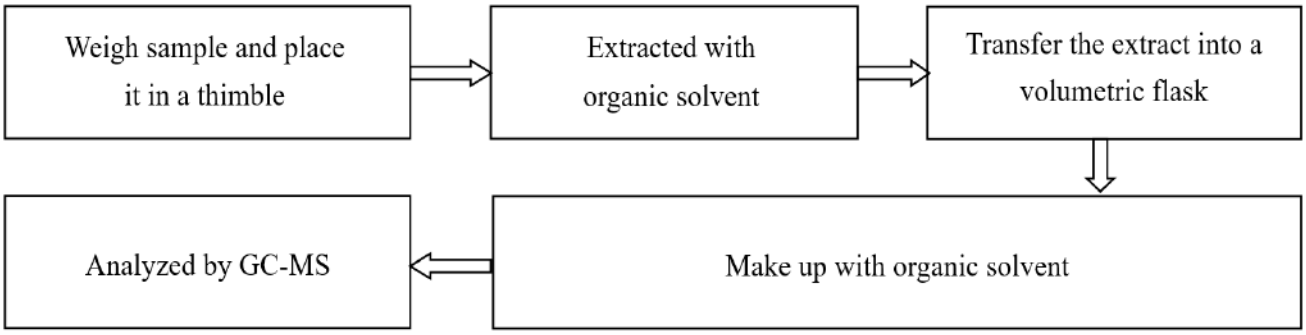
2. Mercury (Hg)



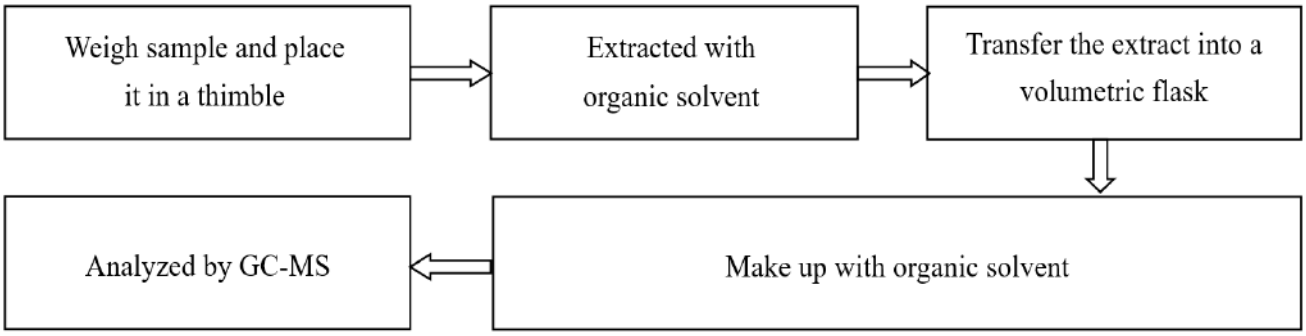
3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. Phthalates (DBP, BBP, DEHP, DIBP)



Test Report

Report No. A2250831989101004

Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
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*** End of report ***

Test Report

Report No. A2260398968101001

Company Name shown on Report	DONGGUAN HAODENGXIN PRECISION MACHINERY CO.,LTD .
Address	ROOM 104, BUILDING B, NO.107, LIYATANG INDUSTRIAL ZONE, LINCUN VILLAGE, TANGXIA TOWN, DONGGUAN CITY

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	黑色油墨
Model No.	501
Color	黑色
Sample Received Date	May 19, 2026
Testing Period	May 19, 2026 to May 23, 2026

Test Requested	As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).

****

Conclusion

Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	PASS

****

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

Approved by: Hill Zheng

Hill Zheng

Technical Manager

Date: May 23, 2026

No. R517221807

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-12:2023	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-12:2023	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-12:2023	GC-MS

Test Report

Report No. A2260398968101001

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	001		
Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

Tested Item(s)	Result	MDL	Limit
	001		
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	25 mg/kg	1000 mg/kg
Dibromobiphenyl	N.D.	25 mg/kg	
Tribromobiphenyl	N.D.	25 mg/kg	
Tetrabromobiphenyl	N.D.	25 mg/kg	
Pentabromobiphenyl	N.D.	25 mg/kg	
Hexabromobiphenyl	N.D.	25 mg/kg	
Heptabromobiphenyl	N.D.	25 mg/kg	
Octabromobiphenyl	N.D.	25 mg/kg	
Nonabromobiphenyl	N.D.	25 mg/kg	
Decabromobiphenyl	N.D.	25 mg/kg	

Tested Item(s)	Result	MDL	Limit
	001		
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	25 mg/kg	1000 mg/kg
Dibromodiphenyl ether	N.D.	25 mg/kg	
Tribromodiphenyl ether	N.D.	25 mg/kg	
Tetrabromodiphenyl ether	N.D.	25 mg/kg	
Pentabromodiphenyl ether	N.D.	25 mg/kg	
Hexabromodiphenyl ether	N.D.	25 mg/kg	
Heptabromodiphenyl ether	N.D.	25 mg/kg	
Octabromodiphenyl ether	N.D.	25 mg/kg	
Nonabromodiphenyl ether	N.D.	25 mg/kg	
Decabromodiphenyl ether	N.D.	25 mg/kg	

Test Report

Report No. A2260398968101001

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	001		
Phthalates (DBP, BBP, DEHP, DIBP)			
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Black ink

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

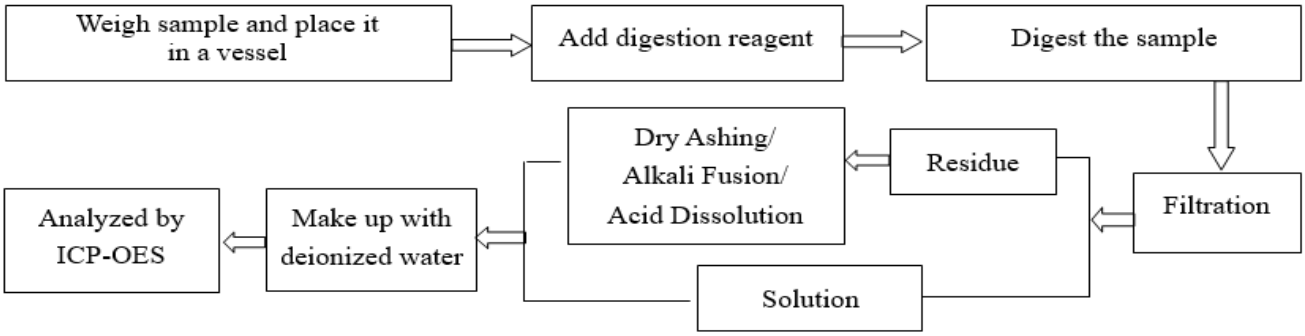
-1000 mg/kg = 0.1%

Test Report

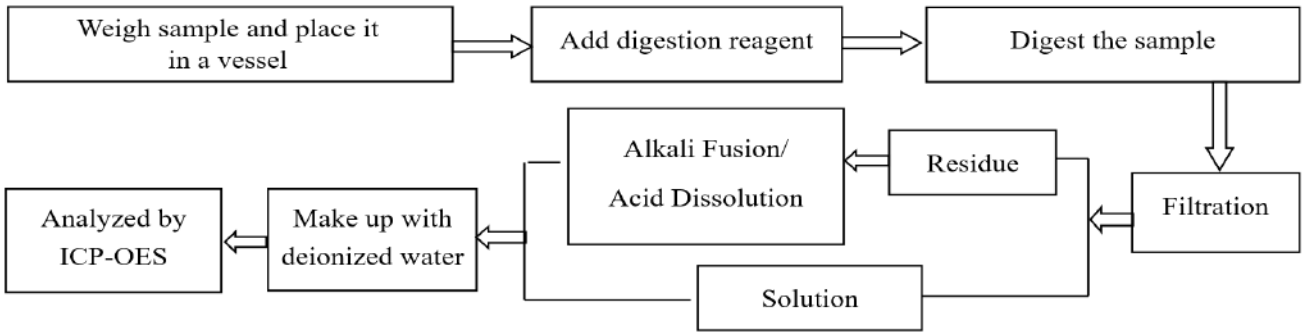
Report No. A2260398968101001

Test Process

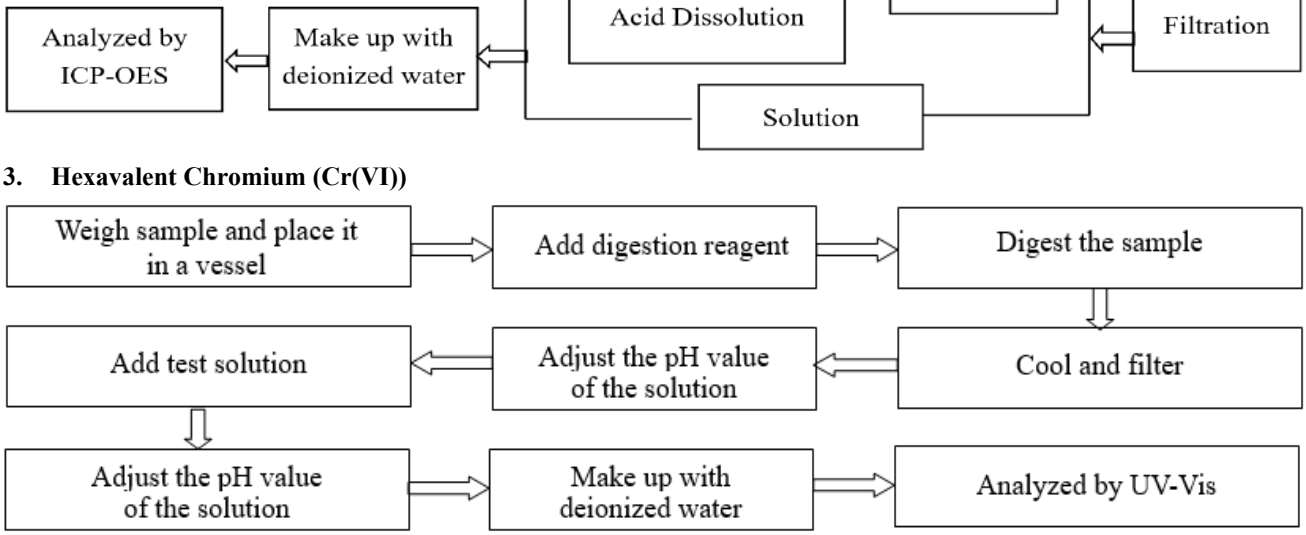
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



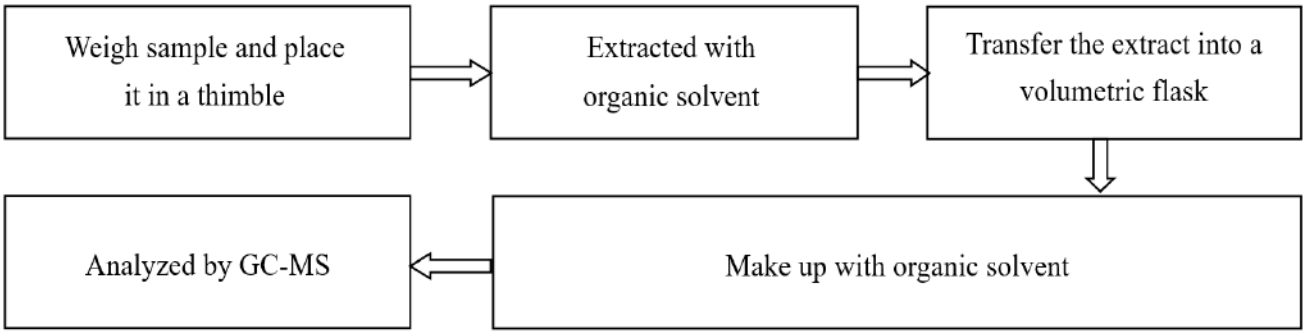
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP)



Test Report

Report No. A2260398968101001

Photo(s) of the sample(s)



Statement:

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*** End of report ***

Test Report

Report No. A2250831989102001 Page 1 of 12

Company Name shown on Report	DONGGUAN HAODENGXIN PRECISION MACHINERY CO.,LTD .
Address	ROOM 104, BUILDING B, NO.107, LIYATANG INDUSTRIAL ZONE, LINCUN VILLAGE, TANGXIA TOWN, DONGGUAN CITY

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	油墨、溶剂混合物
Sample Received Date	Nov. 10, 2025
Testing Period	Nov. 10, 2025 to Nov. 17, 2025

Test Requested	1.As specified by client, to screen the 251 substances of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s). 2.As specified by client, to screen the 3 substance published on September 1st 2025 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s). 3.As specified by client, to screen the 1 substance published on June 1st 2021 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).

Summary	According to the analytical results, concentrations of SVHC are ≤ 0.1% (w/w) in the submitted sample(s).	**PASS**

Approved by: Ophelie Wen Date: Nov. 17, 2025

Ophelie Wen
Lab Authorized Signatory

No. R517221008

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Test Result(s) 1

Batch	No.	Substance Name(s)	CAS No.	Concentration (%)	RL (%)
				001	
-	-	All tested SVHC (See the candidate list)	-	N.D.	-

Test Result(s) 2

Batch	No.	Substance Name(s)	CAS No.	Concentration (%)	RL (%)
				001	
-	-	All tested intention for identification of SVHC (See the list of intention for identification of SVHC)	-	N.D.	-

Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016, In house method for sample pretreatment.

Analyzed by ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, LC-QTOF, HPLC-DAD and LC-MS-MS.

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Black liquid

Remark:

1. The table of tested result(s) only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the List of SVHC/intention/potential intention for identification of SVHC on next pages.
2. w/w = weight by weight; 0.1%= 1000 mg/kg =1000 ppm
3. N.D. = Not Detected (< RL)
4. RL = Report Limit (Concentration value will be shown if it ≥ RL. RL is not regulatory limit.)
5. ※ = Intention for identification of SVHC
6. *: Concentration value of the substance by the conversion from the test results of certain elements. Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE), Dibutylbis(pentane-2,4-dionato-O,O')tin, [Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety] by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
7. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
8. ***: C.I.: Colour Index
9. ****: Light fractions from distillation
10. *****: Concentration value of Disodiumtetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodiumtetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
11. ▲: Concentration value of Formaldehyde, oligomeric reaction products with aniline by the conversion from the test results of certain compounds(2,4-Diaminodiphenylmethane, 4,4'-Diaminodiphenylmethane, 2,2-Diaminodiphenylmethane).
12. ①: In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking SDS or requesting from suppliers.
13. ②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.

Test Report

Candidate List of SVHC

Batch	No.	Substance Name(s)	CAS No.	RL (%)
I	1	Anthracene	120-12-7	0.05
I	2	4,4'- Diaminodiphenylmethane	101-77-9	0.05
I	3	Dibutyl phthalate(DBP)	84-74-2	0.05
I	4	Cobalt dichloride*	7646-79-9	0.01
I	5	Diarsenic pentaoxide*	1303-28-2	0.01
I	6	Diarsenic trioxide*	1327-53-3	0.01
I	7	Sodium dichromate*	7789-12-0 10588-01-9	0.01
I	8	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	0.05
I	9	Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	0.05
I	10	Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.05
I	11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	0.05
I	12	Bis(tributyltin)oxide (TBTO)*	56-35-9	0.05
I	13	Lead hydrogen arsenate*	7784-40-9	0.01
I	14	Benzyl butyl phthalate(BBP)	85-68-7	0.05
I	15	Triethyl arsenate*	15606-95-8	0.01
II	16	①Anthracene oil	90640-80-5	0.05
II	17	①Anthracene oil, anthracene paste, distn. lights****	91995-17-4	0.05
II	18	①Anthracene oil, anthracene paste,anthracene fraction	91995-15-2	0.05
II	19	①Anthracene oil, anthracene-low	90640-82-7	0.05
II	20	①Anthracene oil, anthracene paste	90640-81-6	0.05
II	21	①Pitch, coal tar, high-temp.	65996-93-2	0.05
II	22	Acrylamide	79-06-1	0.05
II	23	2,4-dinitrotoluene	121-14-2	0.05
II	24	Diisobutyl phthalate (DIBP)	84-69-5	0.05
II	25	②Lead chromate	7758-97-6	0.01
II	26	②Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	0.01
II	27	②Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	0.01
II	28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	0.05
III	29	Trichloroethylene	79-01-6	0.05
III	30	Boric acid*	10043-35-3 11113-50-1	0.01
III	31	②Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	0.01
III	32	②Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	0.01
III	33	Sodium chromate*	7775-11-3	0.01
III	34	Potassium chromate*	7789-00-6	0.01
III	35	Ammonium dichromate*	7789-09-5	0.01
III	36	Potassium dichromate*	7778-50-9	0.01
IV	37	Cobalt(Ⅱ) sulphate*	10124-43-3	0.01
IV	38	Cobalt(Ⅱ) dinitrate*	10141-05-6	0.01
IV	39	Cobalt(Ⅱ) carbonate*	513-79-1	0.01
IV	40	Cobalt(Ⅱ) diacetate*	71-48-7	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
IV	41	2-methoxyethanol	109-86-4	0.05
IV	42	2-ethoxyethanol	110-80-5	0.05
IV	43	Chromium trioxide*	1333-82-0	0.01
IV	44	①Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.01
V	45	2-ethoxyethyl acetate	111-15-9	0.05
V	46	Strontium chromate*	7789-06-2	0.01
V	47	①1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.05
V	48	Hydrazine	7803-57-8 302-01-2	0.05
V	49	1-methyl-2-pyrrolidone (NMP)	872-50-4	0.05
V	50	1,2,3-trichloropropane	96-18-4	0.05
V	51	①1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.05
VI	52	Dichromium tris(chromate)*	24613-89-6	0.01
VI	53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.01
VI	54	Pentazinc chromate octahydroxide*	49663-84-5	0.01
VI	55	②Aluminosilicate Refractory Ceramic Fibres (RCF)**	-	0.01
VI	56	②Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	0.01
VI	57	①Formaldehyde, oligomeric reaction products with aniline▲	25214-70-4	0.05
VI	58	Bis(2-methoxyethyl) phthalate	117-82-8	0.05
VI	59	2-Methoxyaniline(o-Anisidine)	90-04-0	0.05
VI	60	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.05
VI	61	1,2-dichloroethane	107-06-2	0.05
VI	62	Bis(2-methoxyethyl) ether	111-96-6	0.05
VI	63	Arsenic acid*	7778-39-4	0.01
VI	64	Calcium arsenate*	7778-44-1	0.01
VI	65	Trilead diarsenate*	3687-31-8	0.01
VI	66	N,N-dimethylacetamide (DMAC)	127-19-5	0.05
VI	67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.05
VI	68	Phenolphthalein	77-09-8	0.05
VI	69	Lead diazide, Lead azide*	13424-46-9	0.01
VI	70	Lead styphnate*	15245-44-0	0.01
VI	71	Lead dipicrate*	6477-64-1	0.01
VII	72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	0.05
VII	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.05
VII	74	Diboron trioxide*	1303-86-2	0.01
VII	75	Formamide	75-12-7	0.05
VII	76	Lead(II) bis(methanesulfonate)*	17570-76-2	0.01
VII	77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.05
VII	78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.05
VII	79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	0.05
VII	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.05
VII	81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)***	548-62-9	0.05
VII	82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5- dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)***	2580-56-5	0.05

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	0.05
VII	84	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	0.05
VIII	85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	0.05
VIII	86	①4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	0.05
VIII	87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA)	123-77-3	0.05
VIII	88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	0.05
VIII	89	Henicosafluoroundecanoic acid	2058-94-8	0.05
VIII	90	Pentacosafluorotridecanoic acid	72629-94-8	0.05
VIII	91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	0.05
VIII	92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.05
VIII	93	Heptacosafluorotetradecanoic acid	376-06-7	0.05
VIII	94	Diisopentylphthalate(DIPP)	605-50-5	0.05
VIII	95	①1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.05
VIII	96	n-pentyl-isopentylphthalate	776297-69-9	0.05
VIII	97	Methoxyacetic acid	625-45-6	0.05
VIII	98	Tricosafluorododecanoic acid	307-55-1	0.05
VIII	99	1,2-diethoxyethane	629-14-1	0.05
VIII	100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.05
VIII	101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.05
VIII	102	N-methylacetamide	79-16-3	0.05
VIII	103	Pentalead tetraoxide sulphate*	12065-90-6	0.01
VIII	104	Biphenyl-4-ylamine	92-67-1	0.05
VIII	105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.05
VIII	106	Dioxobis(stearato)trilead*	12578-12-0	0.01
VIII	107	Lead dinitrate*	10099-74-8	0.01
VIII	108	Tetralead trioxide sulphate*	12202-17-4	0.01
VIII	109	Lead monoxide (lead oxide)*	1317-36-8	0.01
VIII	110	Lead titanium trioxide*	12060-00-3	0.01
VIII	111	4,4'-methylenedi-o-toluidine	838-88-0	0.05
VIII	112	Acetic acid, lead salt, basic*	51404-69-4	0.01
VIII	113	Dimethyl sulphate	77-78-1	0.05
VIII	114	Furan	110-00-9	0.05
VIII	115	Pyrochlore, antimony lead yellow*	8012-00-8	0.01
VIII	116	Tetraethyllead*	78-00-2	0.01
VIII	117	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.01
VIII	118	Diethyl sulphate	64-67-5	0.05
VIII	119	Lead cyanamidate*	20837-86-9	0.01
VIII	120	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	0.01
VIII	121	Trilead dioxide phosphonate*	12141-20-7	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
VIII	122	*o*-Toluidine	95-53-4	0.05
VIII	123	*o*-aminoazotoluene	97-56-3	0.05
VIII	124	4-aminoazobenzene	60-09-3	0.05
VIII	125	6-methoxy-*m*-toluidine (*p*-cresidine)	120-71-8	0.05
VIII	126	Dibutyltin dichloride (DBTC)*	683-18-1	0.05
VIII	127	Lead titanium zirconium oxide*	12626-81-2	0.01
VIII	128	Methyloxirane (Propylene oxide)	75-56-9	0.05
VIII	129	1-bromopropane (n-propyl bromide)	106-94-5	0.05
VIII	130	Trilead bis(carbonate)dihydroxide*	1319-46-6	0.01
VIII	131	Fatty acids, C16-18, lead salts*	91031-62-8	0.01
VIII	132	Orange lead (lead tetroxide)*	1314-41-6	0.01
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
VIII	134	4,4'-oxydianiline and its salts	101-80-4	0.05
VIII	135	Lead oxide sulfate*	12036-76-9	0.01
VIII	136	Lead bis(tetrafluoroborate)*	13814-96-5	0.01
VIII	137	Silicic acid, lead salt*	11120-22-2	0.01
VIII	138	N,N-dimethylformamide	68-12-2	0.05
IX	139	Cadmium	7440-43-9	0.01
IX	140	Cadmium oxide*	1306-19-0	0.01
IX	141	Dipentyl phthalate (DPP)	131-18-0	0.05
IX	142	①4-Nonylphenol, branched and linear, ethoxylated*[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]*	-	0.05
IX	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.05
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.05
X	145	①Trixylyl phosphate	25155-23-1	0.05
X	146	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.05
X	147	Dihexyl phthalate	84-75-3	0.05
X	148	Cadmium sulphide*	1306-23-6	0.01
X	149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'- diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	0.05
X	150	Lead di(acetate)*	301-04-2	0.01
X	151	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.05
XI	152	①1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.05
XI	153	Cadmium chloride*	10108-64-2	0.01
XI	154	②Sodium perborate; perboric acid, sodium salt*****	15120-21-5 11138-47-9	0.01
XI	155	②Sodium peroxometaborate*****	7632-04-4	0.01
XII	156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.05
XII	157	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.05
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl- 7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*	15571-58-1	0.05
XII	159	Cadmium fluoride*	7790-79-6	0.01
XII	160	Cadmium sulphate*	10124-36-4 31119-53-6	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
XII	161	①Reaction mass of 2-ethylhexyl 10- ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)*	-	0.05
XIII	162	①1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5 68648-93-1	0.05
XIII	163	①5-sec-butyl-2-(2,4- dimethylcyclohex-3-en-1-yl)-5- methyl-1,3- dioxane [1], 5-sec- butyl-2-(4,6- dimethylcyclohex- 3-en-1-yl)- 5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	0.05
XIV	164	Nitrobenzene	98-95-3	0.05
XIV	165	2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.05
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.05
XIV	167	1,3-propanesultone	1120-71-4	0.05
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.05
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.05
XVI	170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	0.05
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	0.05
XVI	172	*p*-(1,1-dimethylpropyl)phenol	80-46-6	0.05
XVI	173	①4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.05
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	0.05
XVIII	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	0.05
XVIII	176	Benzo[a]anthracene	56-55-3	0.05
XVIII	177	Cadmium nitrate*	10325-94-7	0.01
XVIII	178	Cadmium carbonate*	513-78-0	0.01
XVIII	179	Cadmium hydroxide*	21041-95-2	0.01
XVIII	180	Chrysene	218-01-9	0.05
XVIII	181	①Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]	-	0.05
XIX	182	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.05
XIX	183	Decamethylcyclopentasiloxane (D5)	541-02-6	0.05
XIX	184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.05
XIX	185	Lead	7439-92-1	0.01
XIX	186	Disodium octaborate*	12008-41-2	0.01
XIX	187	Benzo[ghi]perylene	191-24-2	0.05
XIX	188	①Terphenyl, hydrogenated	61788-32-7	0.05
XIX	189	Ethylenediamine (EDA)	107-15-3	0.05

Batch	No.	Substance Name(s)	CAS No.	RL (%)
XIX	190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.05
XIX	191	Dicyclohexyl phthalate (DCHP)	84-61-7	0.05
XX	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.05
XX	193	Benzo[k]fluoranthene	207-08-9	0.05
XX	194	Fluoranthene	206-44-0	0.05
XX	195	Phenanthrene	85-01-8	0.05
XX	196	Pyrene	129-00-0	0.05
XX	197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	0.05
XXI	198	2,3,3,3-tetrafluoro-2- (heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.05
XXI	199	2-methoxyethyl acetate	110-49-6	0.05
XXI	200	4-tert-butylphenol	98-54-4	0.05
XXI	201	①Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.05
XXII	202	2-benzyl-2-dimethylamino-4'- morpholinobutyrophenone	119313-12-1	0.05
XXII	203	2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one	71868-10-5	0.05
XXII	204	Diisohexyl phthalate	71850-09-4	0.05
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.05
XXIII	206	1-vinylimidazole	1072-63-5	0.05
XXIII	207	2-methylimidazole	693-98-1	0.05
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.05
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin*	22673-19-4	0.05
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.05
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety*	-	0.05
XXV	212	1,4-dioxane	123-91-1	0.05
XXV	213	2,2-bis(bromomethyl) propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	0.05
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.05
XXV	215	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	0.05
XXV	216	Glutaral	111-30-8	0.05
XXV	217	①Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.05
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.01
XXV	219	①Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.05
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.05
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	0.05
XXVI	222	S-(tricyclo[5.2.1.$0^{2,6}$]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.05
XXVI	223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.05
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.05

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis [2,4,6-tribromobenzene]	37853-59-1	0.05
XXVIII	226	2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol (TBBPA)	79-94-7	0.05
XXVIII	227	4,4'-sulphonyldiphenol (BPS)	80-09-1	0.05
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.01
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.05
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.05
XXVIII	231	Melamine	108-78-1	0.05
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.05
XXVIII	233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	0.05
XXIX	234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.05
XXIX	235	Bis(4-chlorophenyl) sulphone	80-07-9	0.05
XXX	236	2,4,6-tri-tert-butylphenol (2,4,6-TTBP)	732-26-3	0.05
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.05
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.05
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.05
XXX	240	①Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.05
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.05
XXXI	242	Triphenyl phosphate	115-86-6	0.05
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid	2156592-54-8	0.05
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.05
XXXII	245	Octamethyltrisiloxane	107-51-7	0.05
XXXII	246	Perfluamine	338-83-0	0.05
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.05
XXXIII	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.05
XXXIII	249	Decamethyltetrasiloxane	141-62-8	0.05
XXXIII	250	Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl] amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl} diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.05
XXXIV	251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]	84852-53-9	0.05

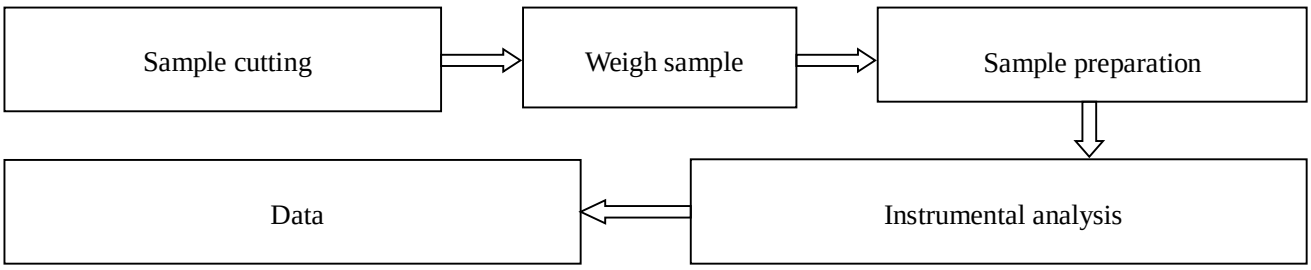
List of intention for identification of SVHC

Batch	No.	Substance Name(s)	CAS No.	RL (%)
XXXIV	1	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts	-	0.05
XXXIV	2	4,4'-methylenediphenol	620-92-8	0.05
XXXIV	3	N-hexane	110-54-3	0.05
※	4	Resorcinol	108-46-3	0.05

REACH Regulation obligation:

1. In accordance with Article 7(2) of the EU REACH Regulation (No. 1907/2006), any producer or importer of articles shall notify the European Chemicals Agency as stipulated in Article 7(4), if an article contains a substance from the Candidate List of Substances of Very High Concern (SVHCs) and both the following conditions are met:
   (a) the substance is present in those articles in quantities totalling over one tonne per producer or importer per year;
   (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
2. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of EU REACH Regulation (No. 1907/2006).
   1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
   2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
3. In accordance with Article 31 of the EU REACH Regulation (No. 1907/2006), the supplier of a substance or a mixture shall provide the recipient of the substance or mixture with a safety data sheet (SDS) for free compiled in accordance with Annex II of REACH.
   1) where a substance or mixture meets the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008; or
   2) where a substance is persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII; or
   3) where a substance is included in the list established in accordance with Article 59(1) for reasons other than those referred to in points (a) and (b);
   4) the supplier shall provide the recipient at his request with a safety data sheet (SDS) compiled in accordance with Annex II, where a mixture does not meet the criteria for classification as hazardous in accordance with Titles I and II of Regulation (EC) No 1272/2008, but contains:
   (a) in an individual concentration of ≥ 1 % by weight for non-gaseous mixtures and ≥ 0.2 % by volume for gaseous mixtures at least one substance posing human health or environmental hazards; or
   (b) in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures at least one substance that has been included in the Candidate List of Substances of Very High Concern (SVHCs); or
   (c) a substance for which there are Community workplace exposure limits.
4. Companies supplying articles containing Substances of Very High Concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market have to submit information on these articles to ECHA in accordance with Waste Framework Directive (WFD) (No 2008/98, as from 5 January 2021.

Test Process



Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

*** End of Report ***

Appendix

Client Reference Information

颜色及型号

VD: 102 501 408 302 104 200 209 30380 601 701 801 901 902

AC: 102 501 408 302 104 200 209 30380 601 701 801 901 902

PA: 102 501 408 302 104 200 209 30380 601 701 801 901 902

PE: 102 501 408 302 104 200 209 30380 601 701 801 901 902

TPE: 102 501 408 302 104 200 209 30380 601 701 801 901 902

EVA: 102 501 408 302 104 200 209 30380 601 701 801 901 902

PU:102 501 408 302 104 200 209 30380 601 701 801 901 902

TPU: 102 501 408 302 104 200 209 30380 601 701 801 901 902

QPA: 102 501 408 302 104 200 209 30380 601 701 801 901 902

PP: 102 501 408 302 104 200 209 30380 601 701 801 901 902

ER:102 501 408 302 104 200 209 30380 601 701 801 901 902

RUBBER: 102 501 408 302 104 200 209 30380 601 701 801 901 902

GOLDEN:600 700

HDX:6000 6020 1000 1020

2000-1（PVC 快干）	3000-1（PE 溶剂）	5000-1 (橡胶溶剂)
2000-2（PVC 中干）	3000-1（EVA 溶剂）	6000-1（铁氟龙溶剂）
2000-3（PVC 慢干）	3000-1（TPE 溶剂）	SOLVENTS:1000-1（硅胶溶剂）
4000-1（PU 溶剂）	4000-2（TPU 溶剂）	

Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A2250831989102001.

Test Report

No.: CANEC25032435102_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (BLACK)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435102, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

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363C1DD0

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN25-0324351-0001.C001	Black plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A1
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435101.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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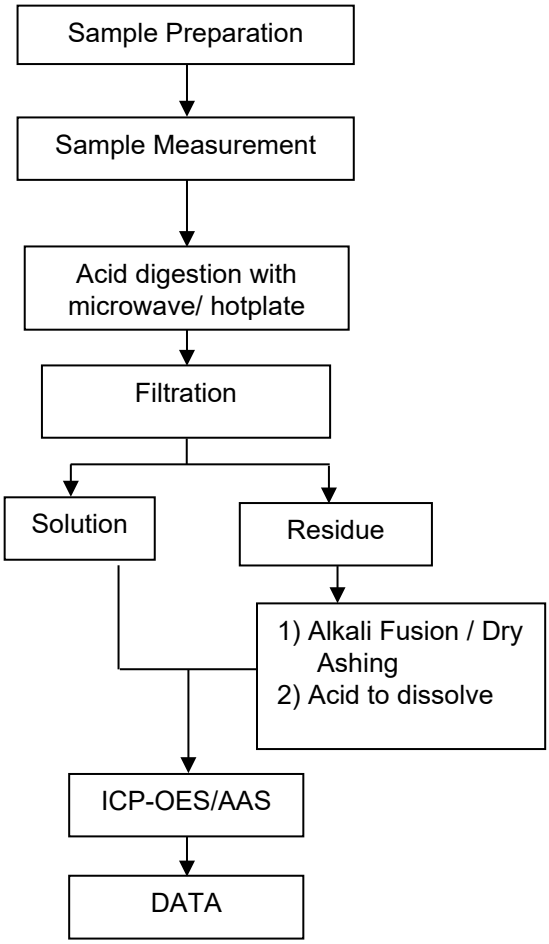
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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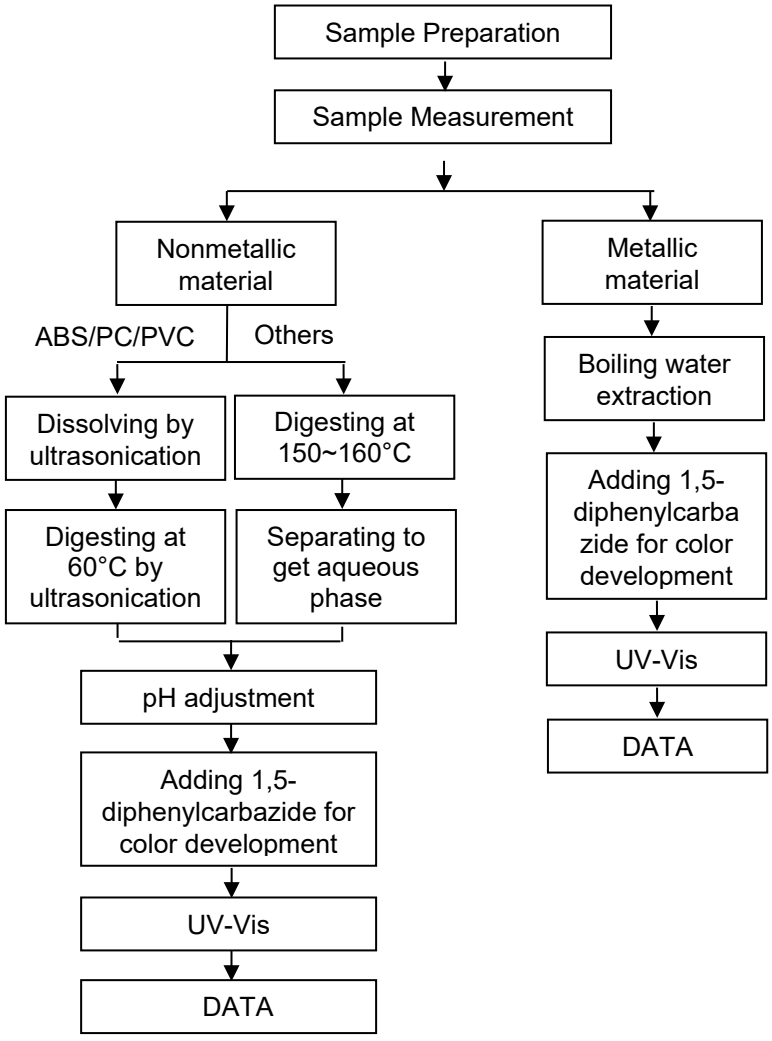
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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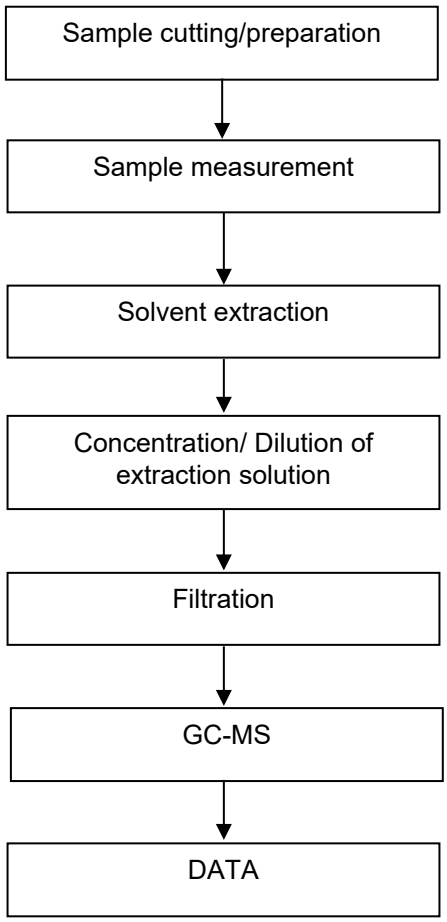
PBB(s)/PBDE(s) Testing Flow Chart



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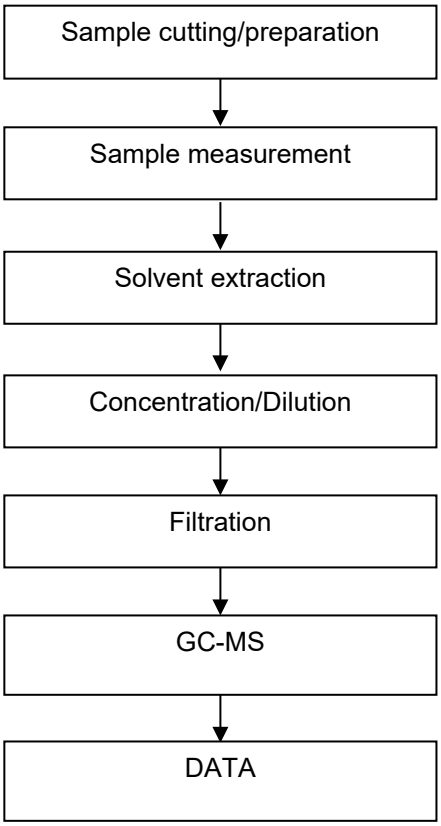
Phthalates Testing Flow Chart



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Sample Photo:



CAN25-0324351-0001.C001

SGS authenticate the photo on original report only

*** End of Report ***

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Test Report

No.: CANEC25032435134_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (BROWN)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435134, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A9	CAN25-0324351-0001.C009	Brown plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A9
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A9
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435133.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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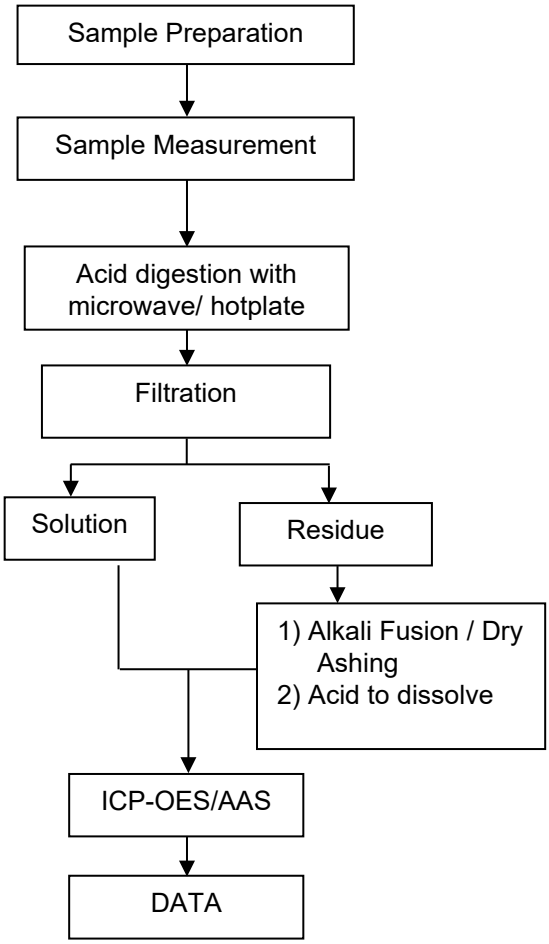
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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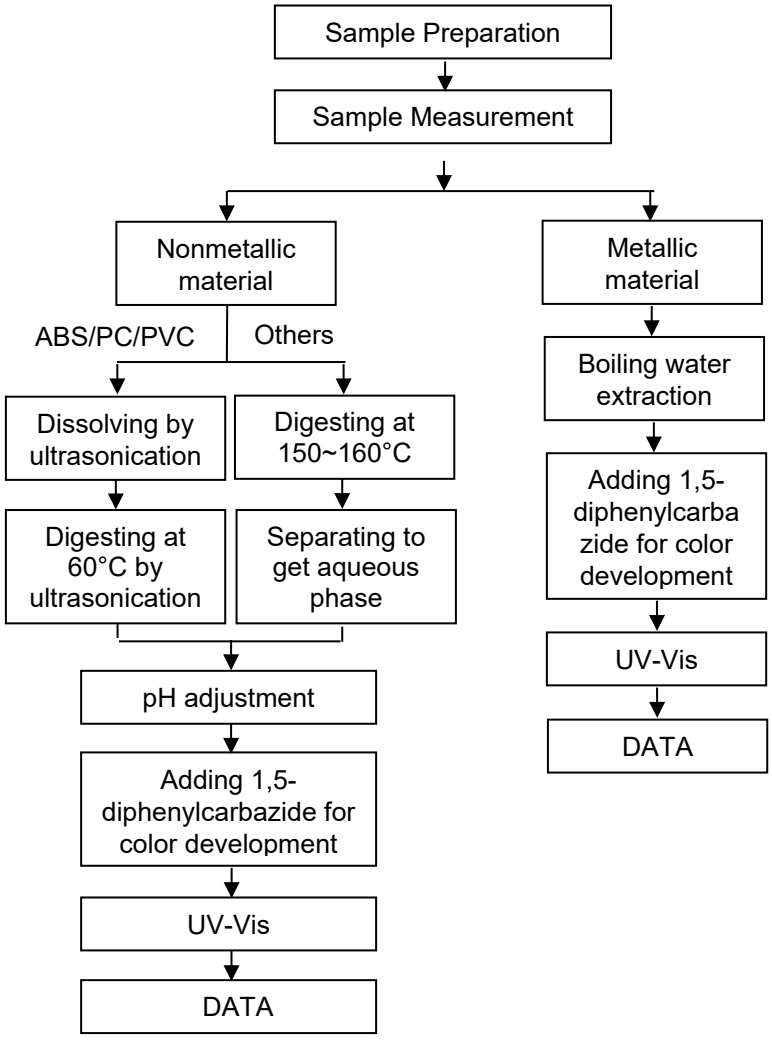
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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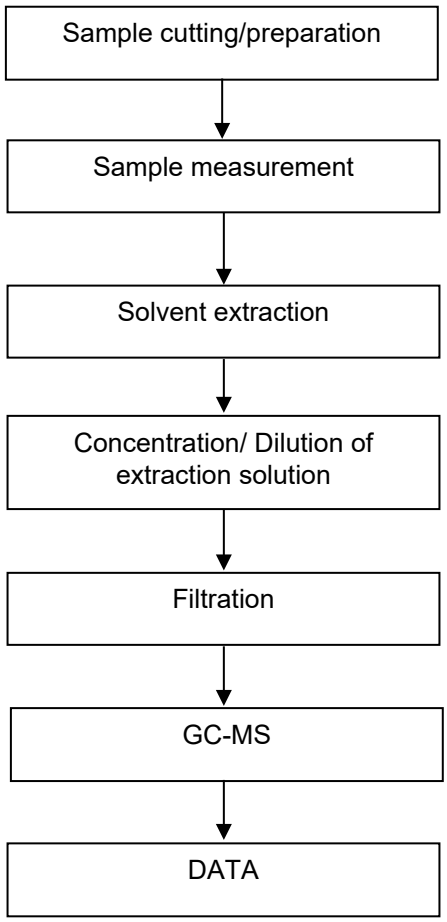
PBB(s)/PBDE(s) Testing Flow Chart



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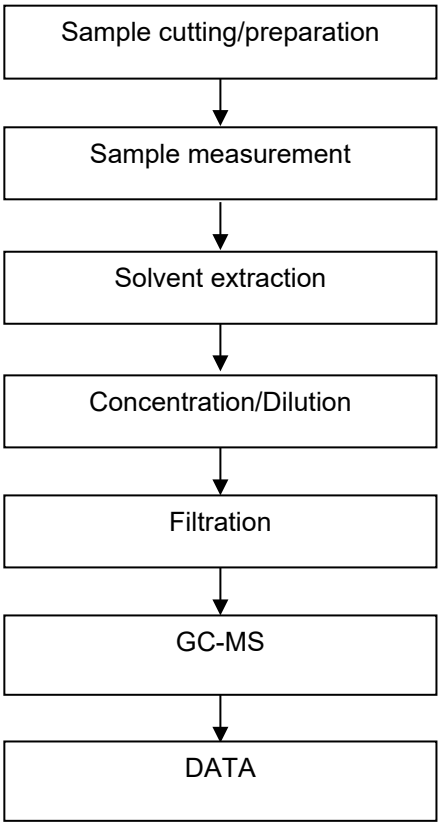
Phthalates Testing Flow Chart



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Sample Photo:



CAN25-0324351-0001.C009

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Test Report

No.: CANEC25032435106_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (RED)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435106, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

Scan to see the report

E0AEF316

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	CAN25-0324351-0001.C002	Red plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A2
Lead (Pb)	1000	mg/kg	2	4
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A2
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435105.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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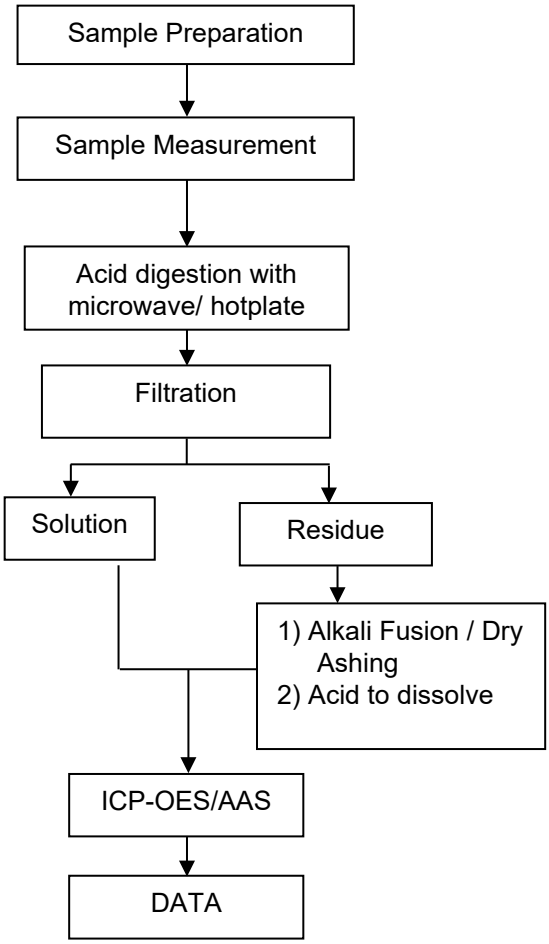
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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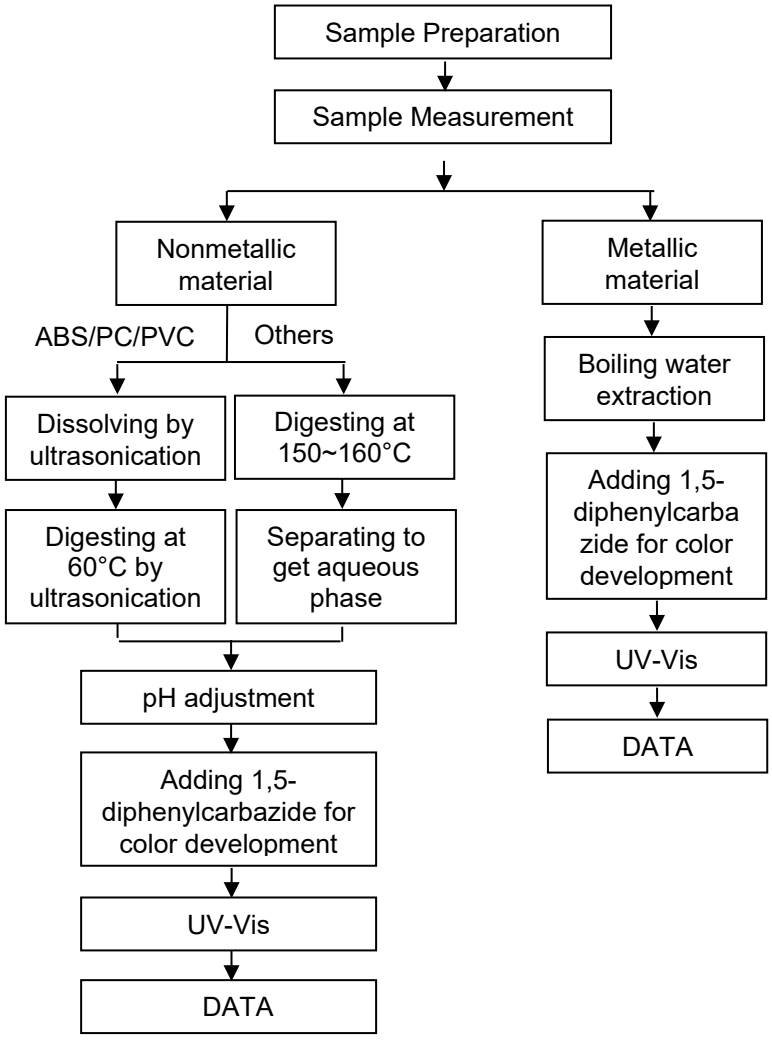
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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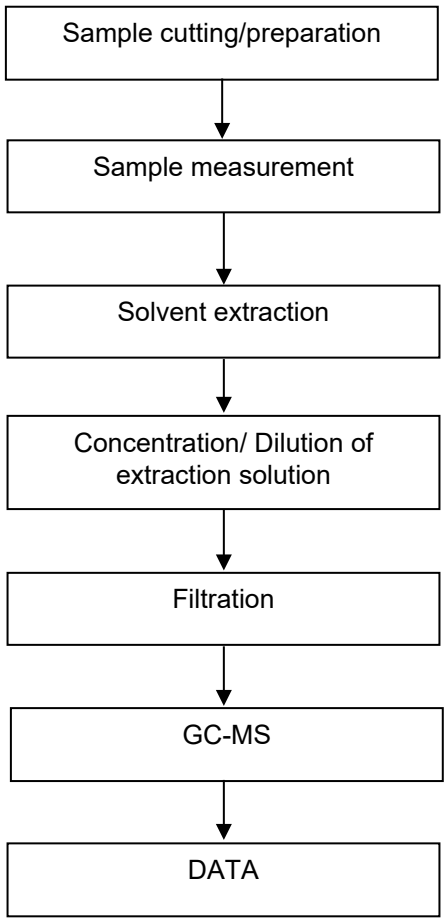
PBB(s)/PBDE(s) Testing Flow Chart



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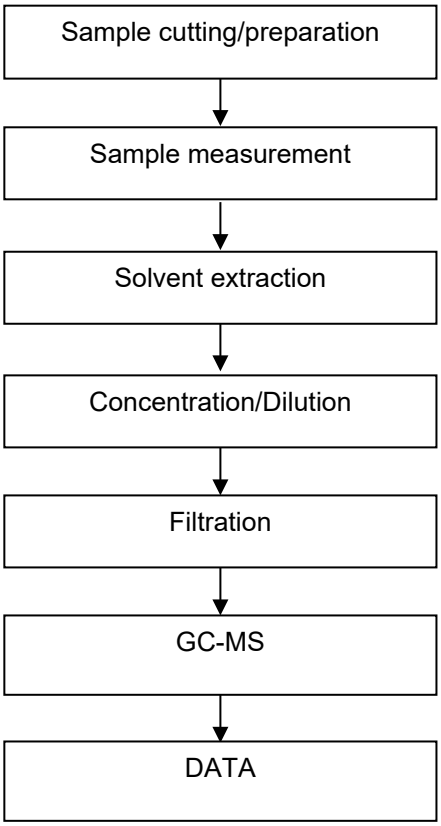
Phthalates Testing Flow Chart



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Sample Photo:



CAN25-0324351-0001.C002

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Test Report

No.: CANEC25032435138_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (YELLOW)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435138, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A10	CAN25-0324351-0001.C010	Yellow plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A10
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A10
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435137.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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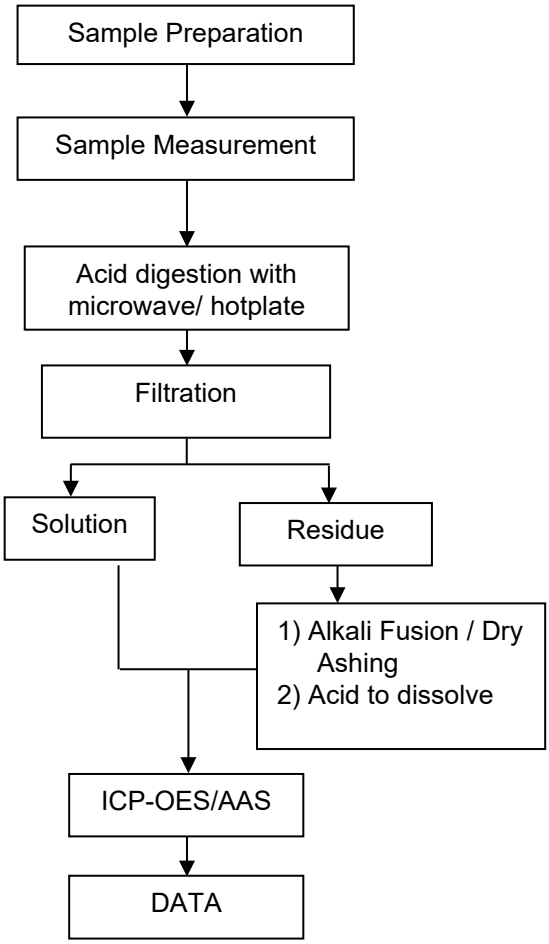
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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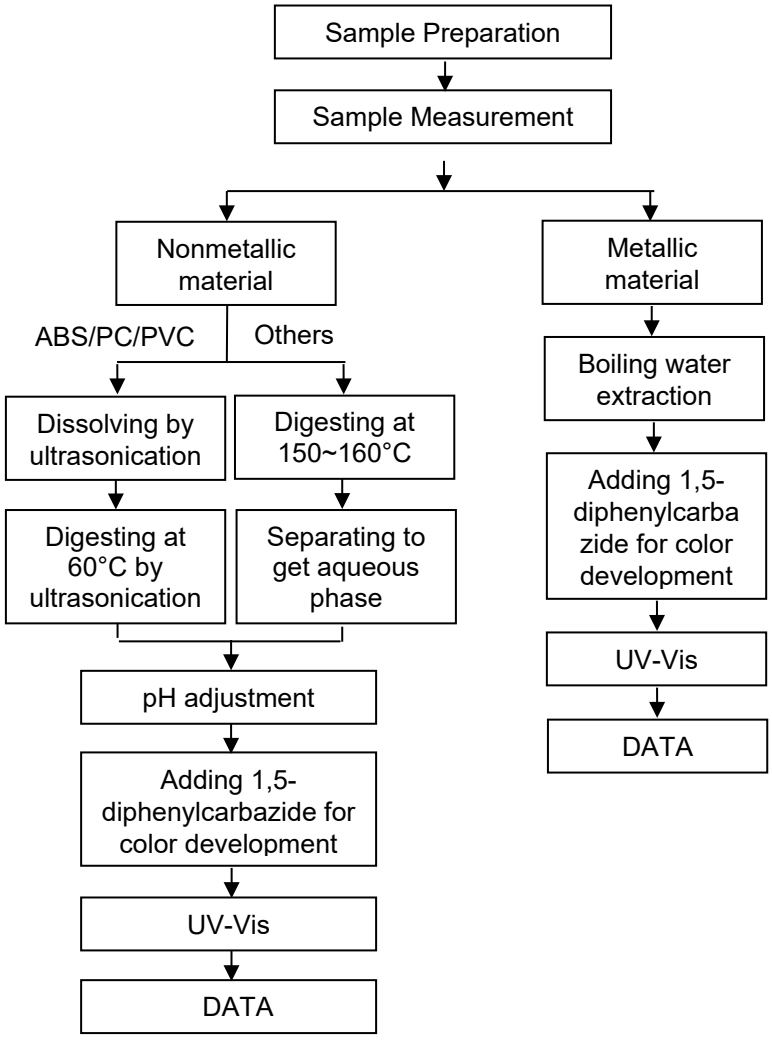
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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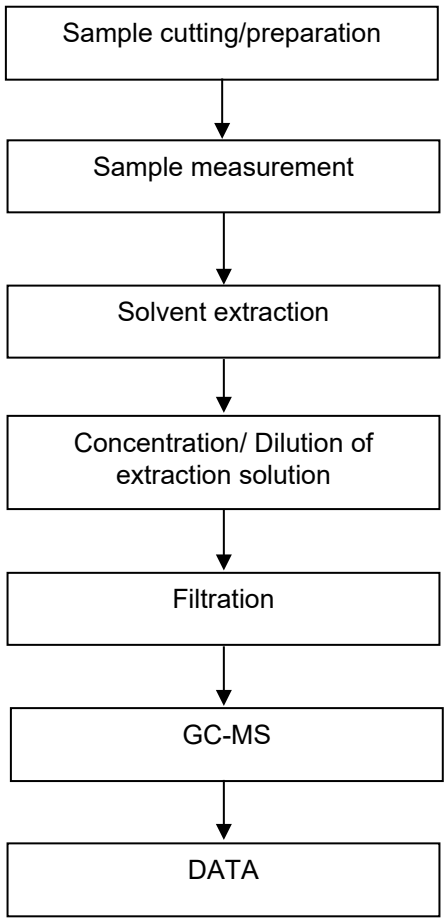
PBB(s)/PBDE(s) Testing Flow Chart



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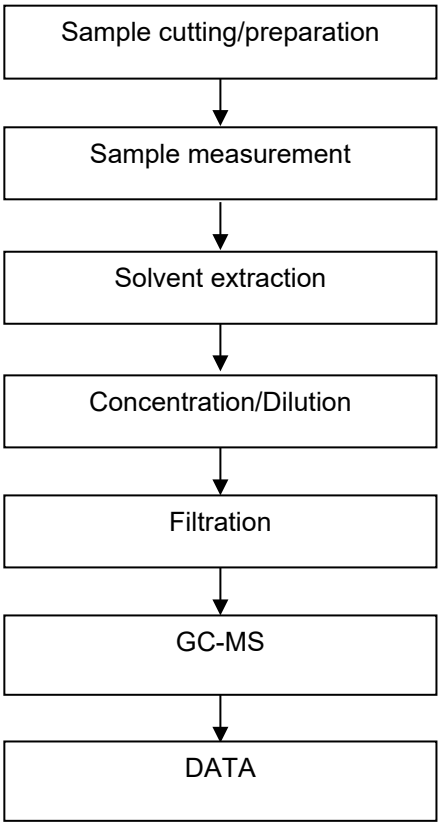
Phthalates Testing Flow Chart



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Sample Photo:



CAN25-0324351-0001.C010

SGS authenticate the photo on original report only

*** End of Report ***

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Test Report

No.: CANEC25032435114_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (GREEN)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435114, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A4	CAN25-0324351-0001.C004	Green plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A4
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A4
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435113.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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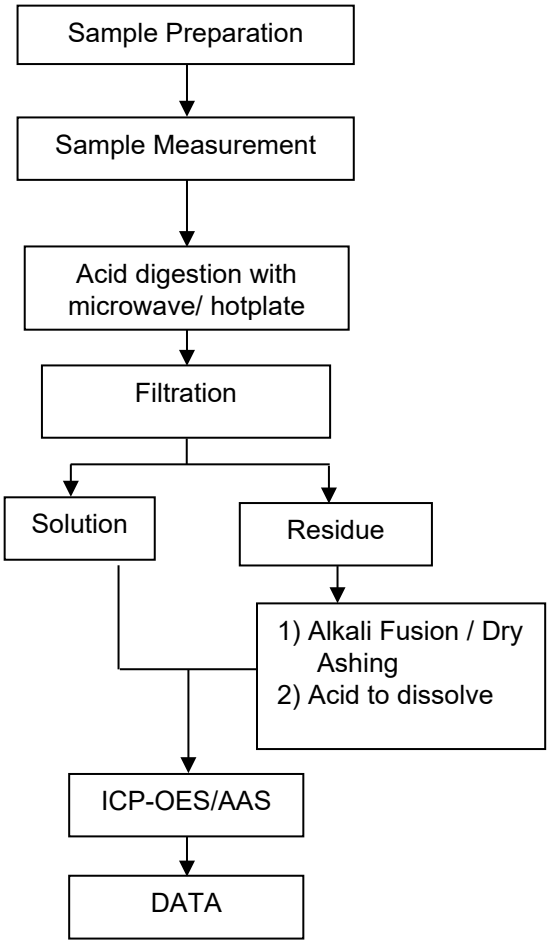
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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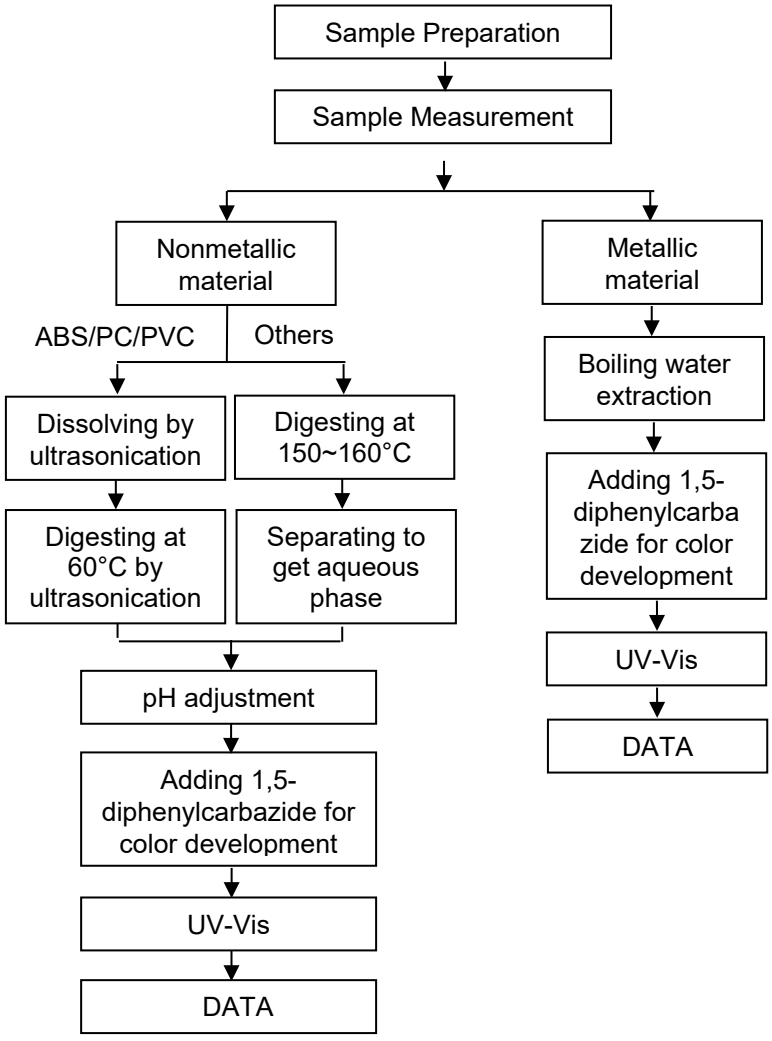
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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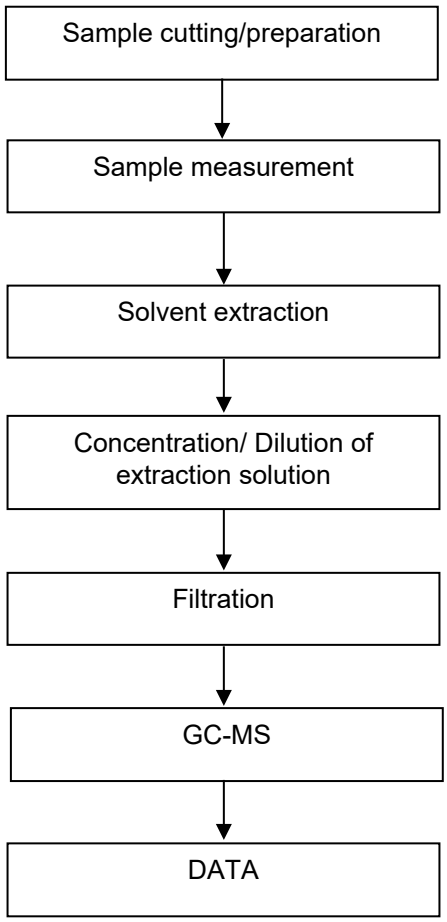
PBB(s)/PBDE(s) Testing Flow Chart



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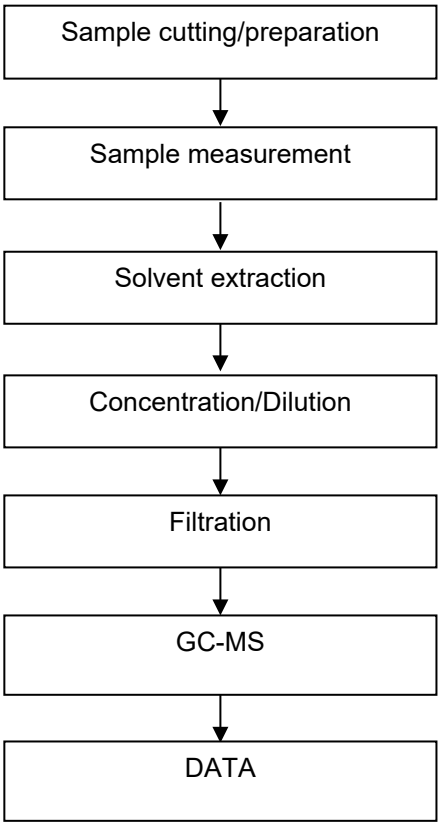
Phthalates Testing Flow Chart



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Sample Photo:



CAN25-0324351-0001.C004

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Test Report

No.: CANEC25032435118_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (BLUE)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435118, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

Scan to see the report

DE27FEFC

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	CAN25-0324351-0001.C005	Blue plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A5
Lead (Pb)	1000	mg/kg	2	6
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A5
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435117.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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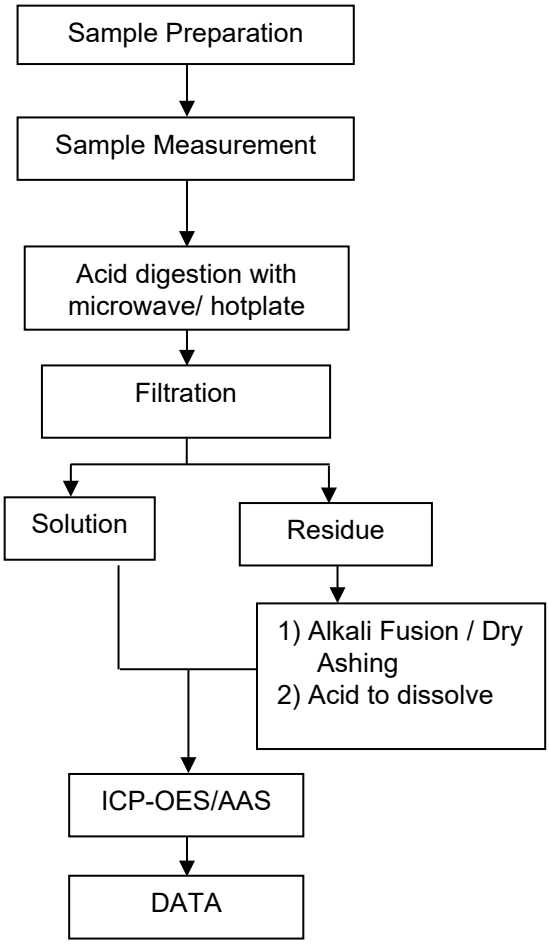
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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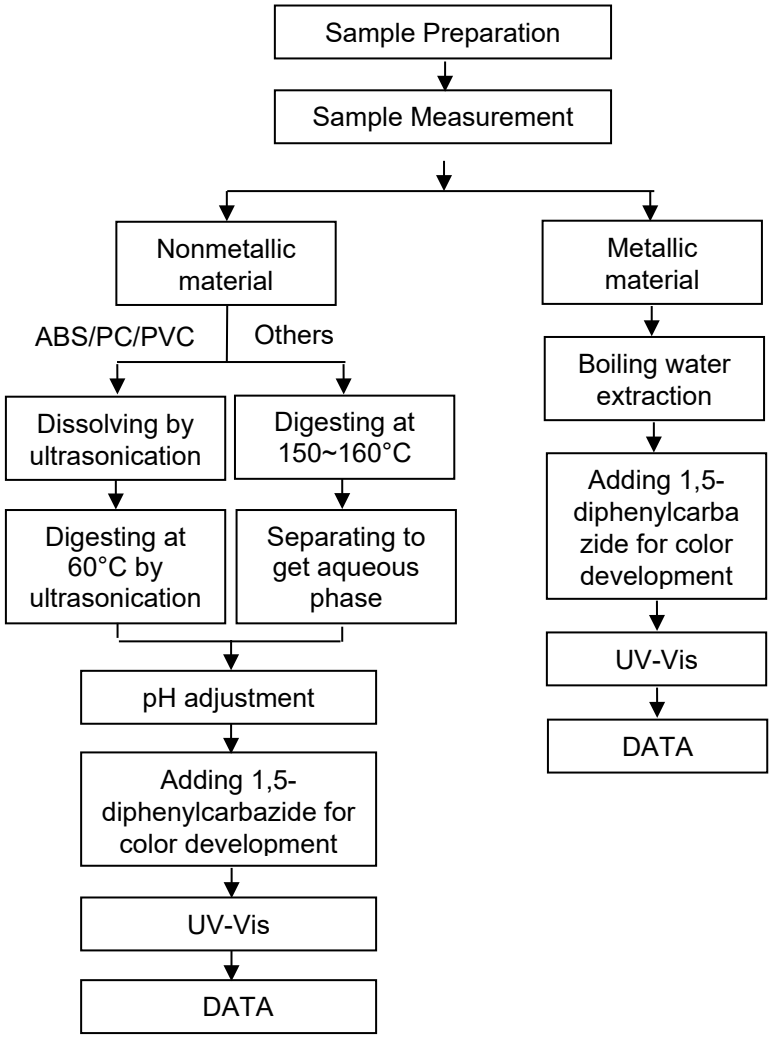
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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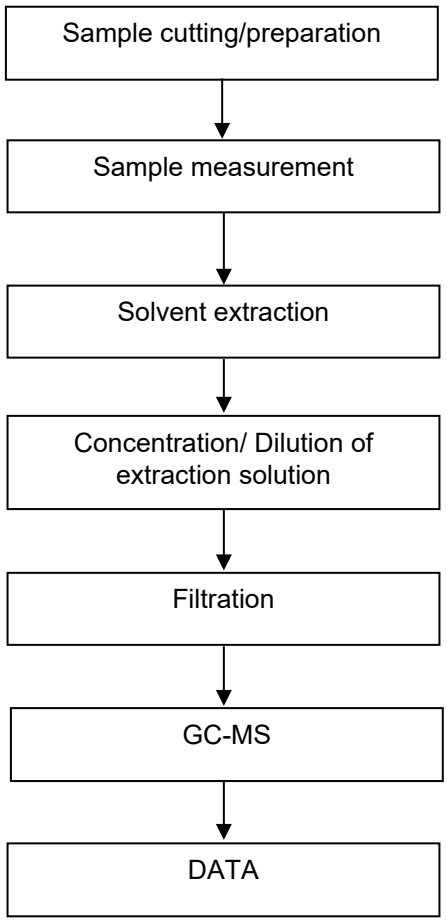
PBB(s)/PBDE(s) Testing Flow Chart



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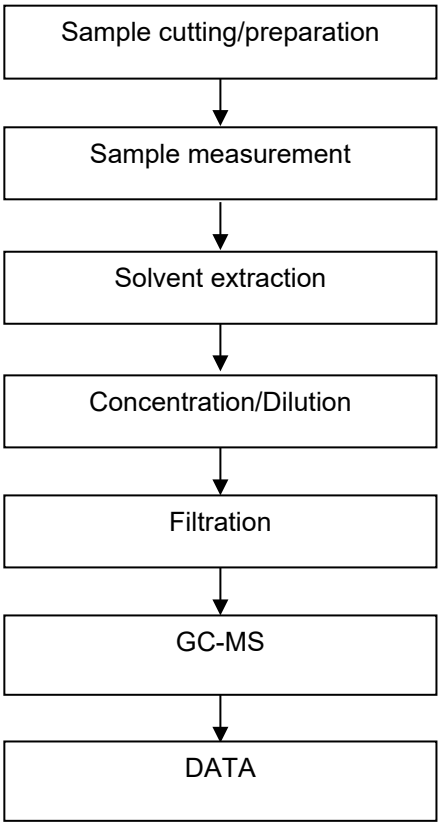
Phthalates Testing Flow Chart



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Sample Photo:



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Test Report

No.: CANEC25032435130_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (PURPLE)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435130, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A8	CAN25-0324351-0001.C008	Purple plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A8
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A8
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435129.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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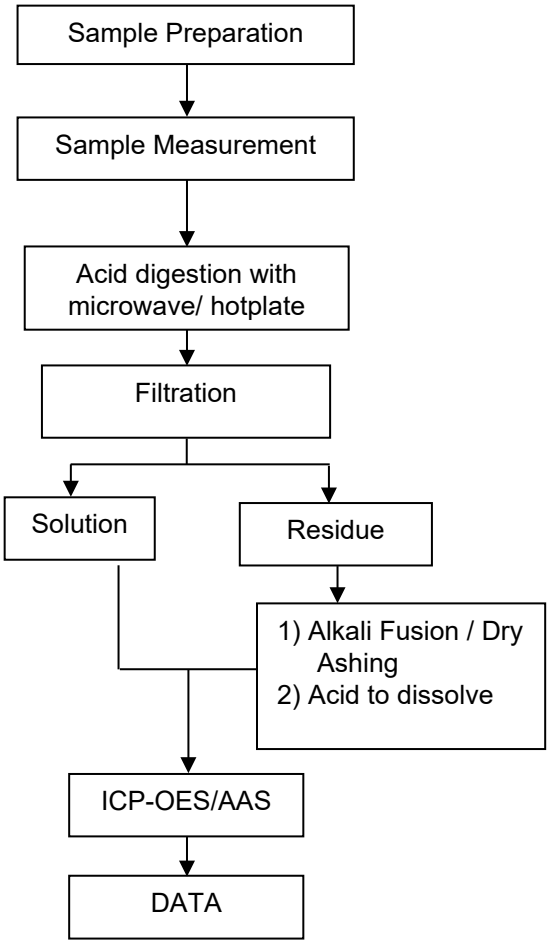
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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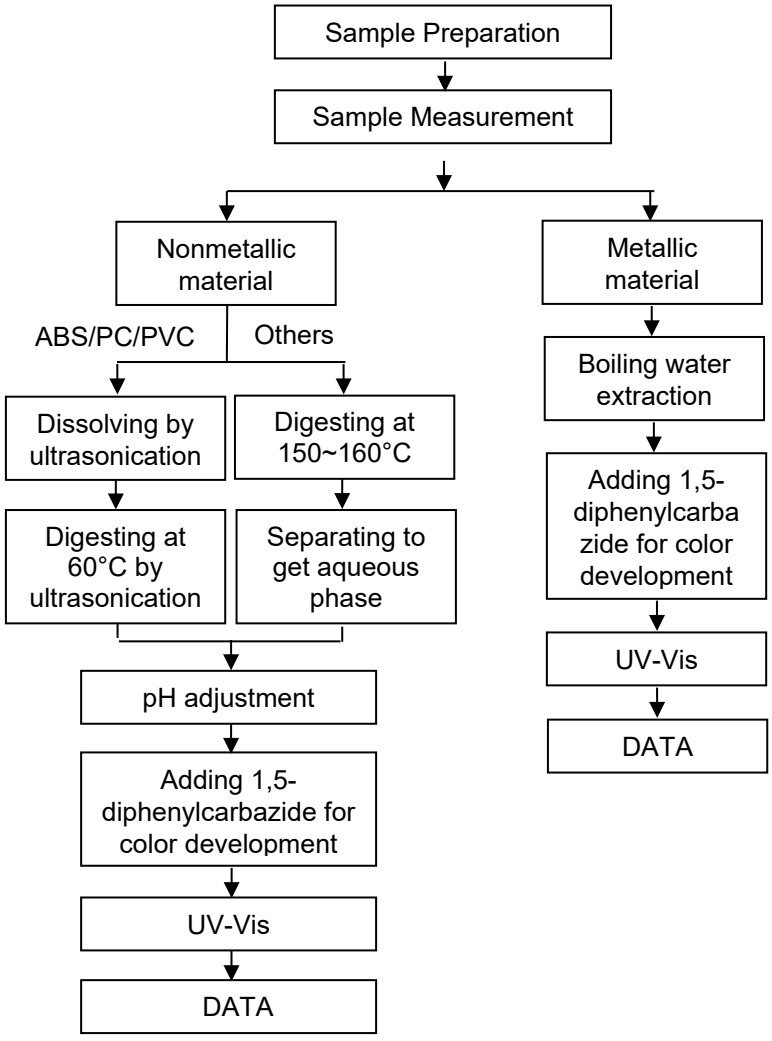
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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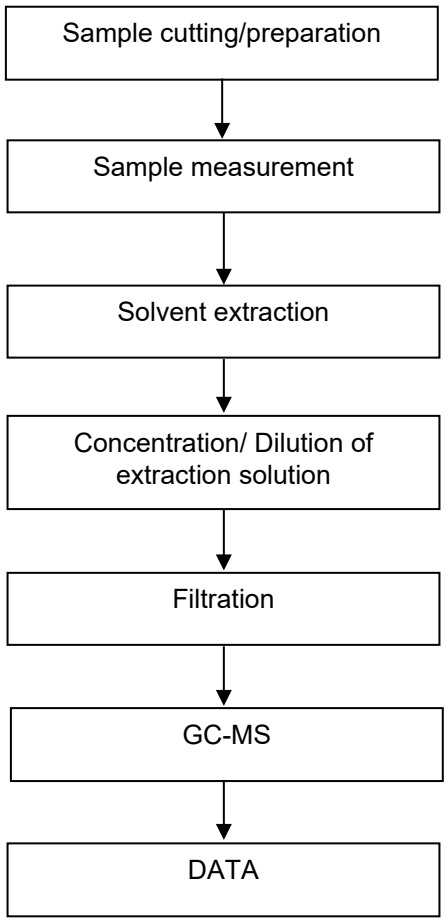
PBB(s)/PBDE(s) Testing Flow Chart



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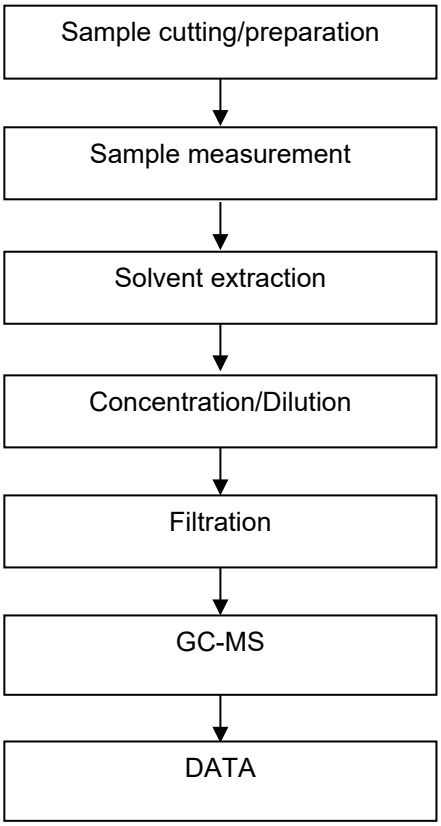
Phthalates Testing Flow Chart



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Sample Photo:



CAN25-0324351-0001.C008

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Test Report

No.: CANEC25032435122_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (GRAY)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435122, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A6	CAN25-0324351-0001.C006	Gray plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A6
Lead (Pb)	1000	mg/kg	2	9
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A6
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435121.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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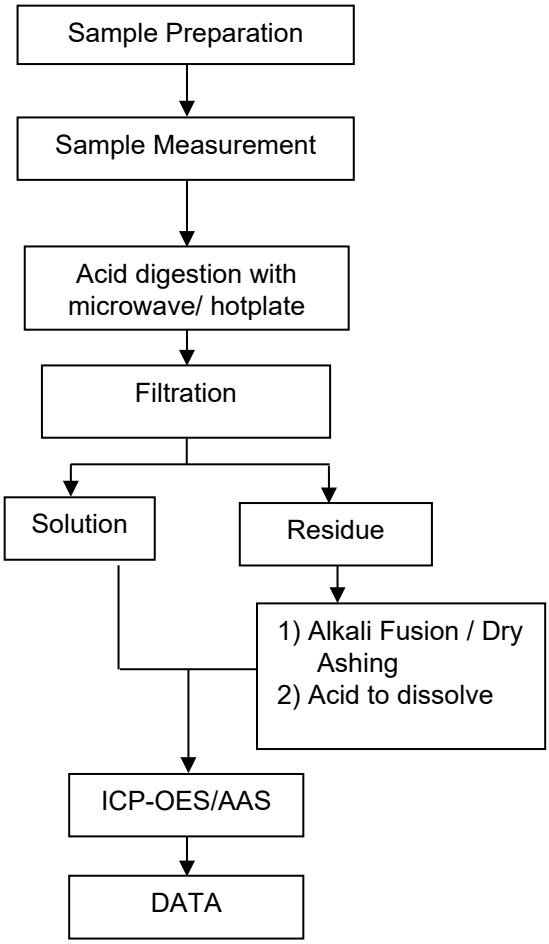
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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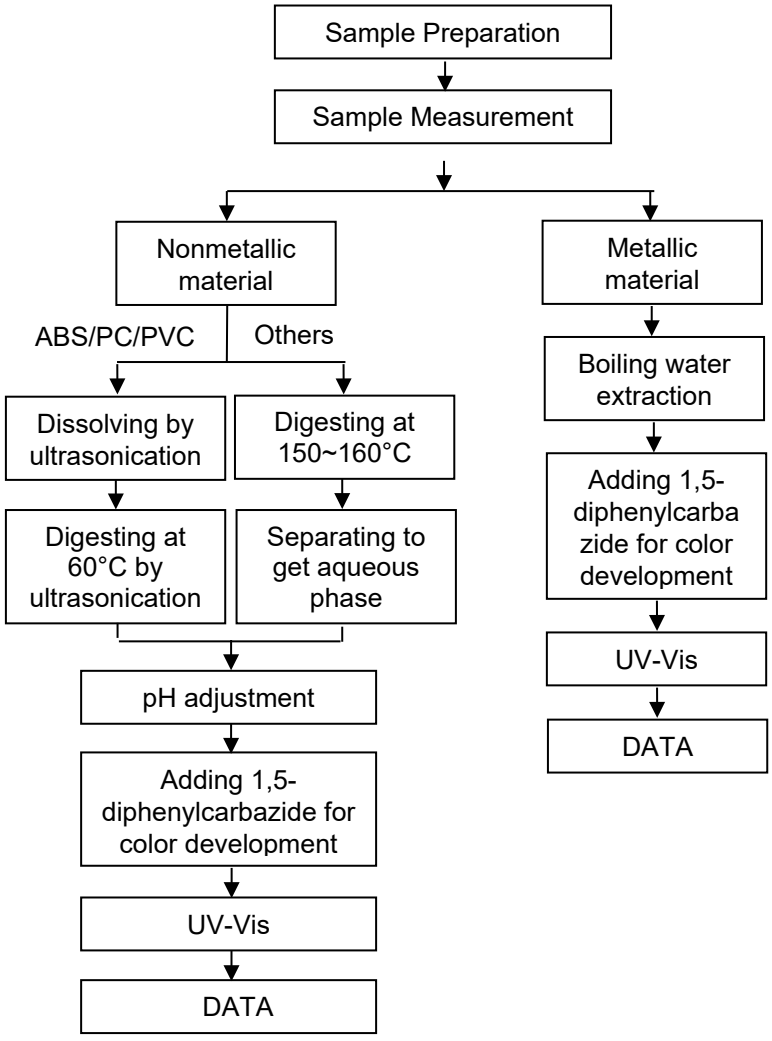
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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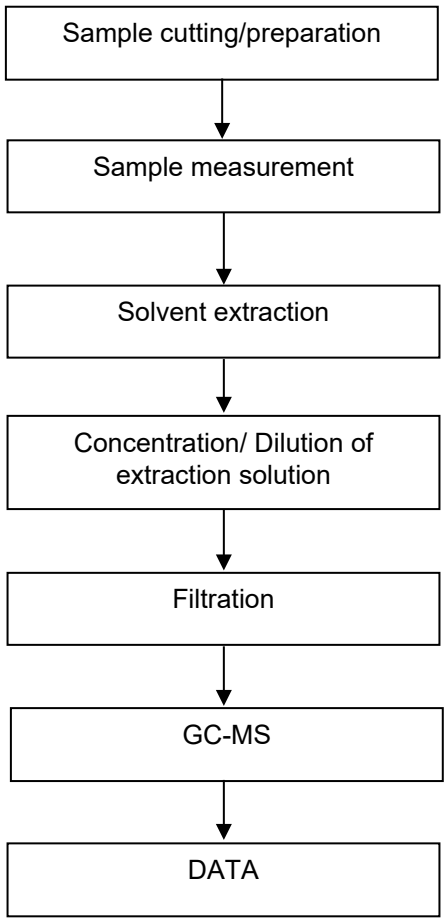
PBB(s)/PBDE(s) Testing Flow Chart



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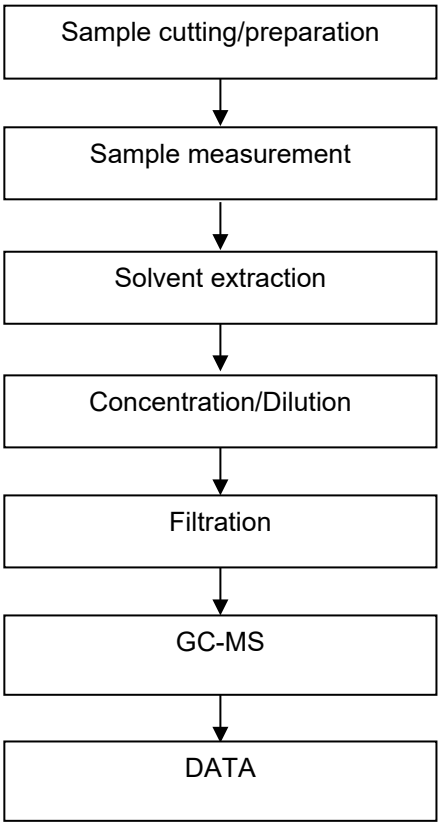
Phthalates Testing Flow Chart



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Sample Photo:



CAN25-0324351-0001.C006

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Test Report

No.: CANEC25032435110_1 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (WHITE)

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25032435110, DATE: Dec 31, 2025.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 26, 2025

Testing Period: Dec 26, 2025 ~ Dec 31, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

Scan to see the report

57E4282C

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A3	CAN25-0324351-0001.C003	White plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A3
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A3
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Remark: Results & photo(s) of this report refer to test report CANEC25032435109.
This report updates Client Name.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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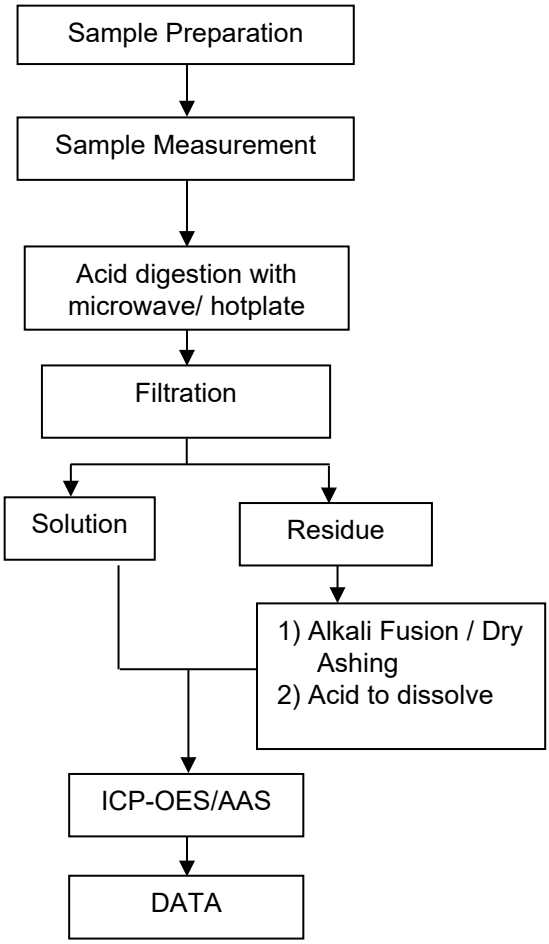
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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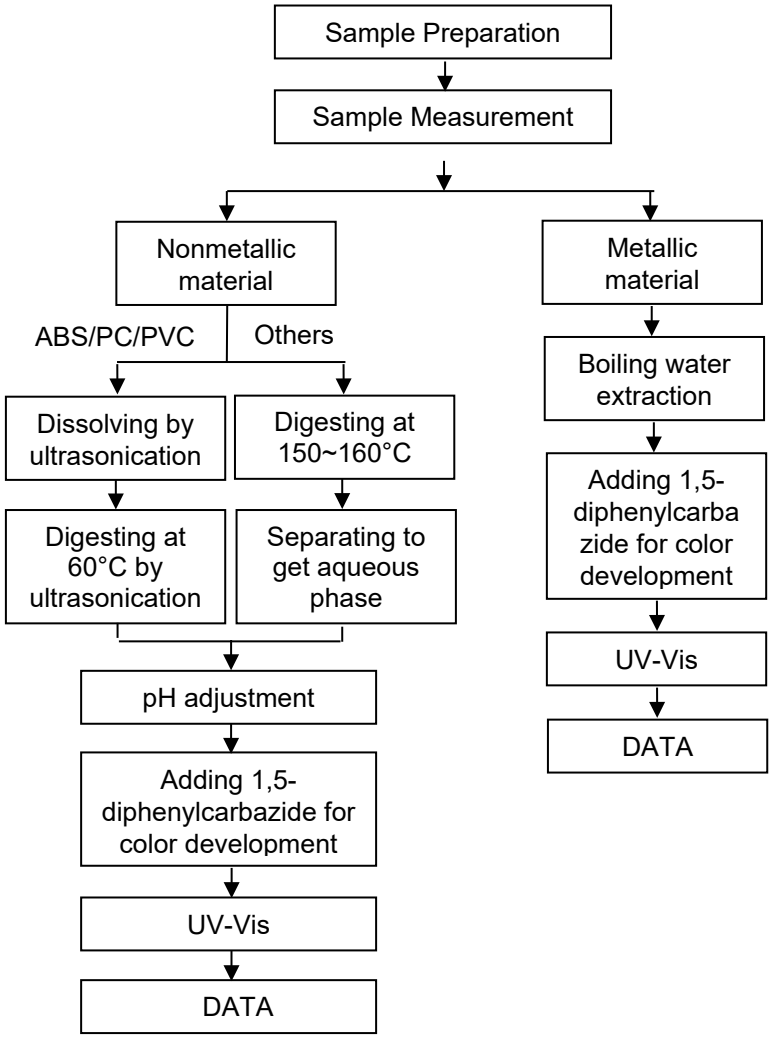
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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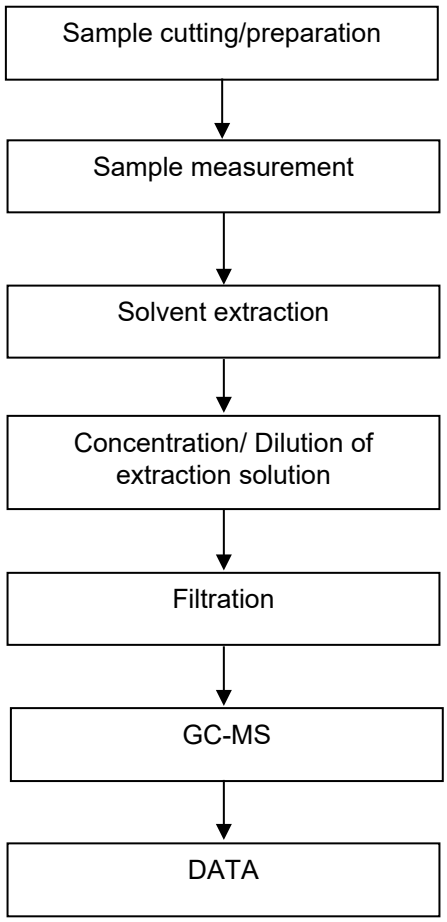
PBB(s)/PBDE(s) Testing Flow Chart



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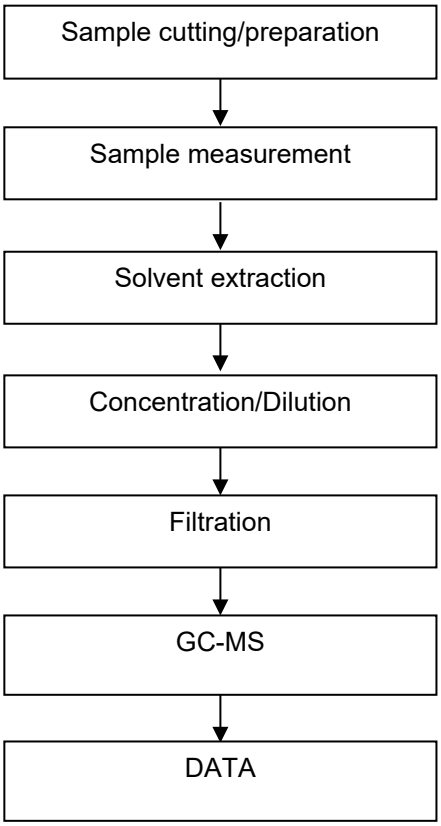
Phthalates Testing Flow Chart



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Sample Photo:



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Test Report (SVHC)

No.: CANEC25032649530 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (WHITE)

The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 29, 2025

Testing Period: Dec 29, 2025 ~ Jan 06, 2026

Test Requested: As requested by client, SVHC in Candidate List screening is performed according to:
(i) Two hundred and fifty-one (251) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.
As requested by client, Potential SVHC screening is performed according to:
(i) One (1) potential Substances of Very High Concern (SVHC) in the Identification ongoing.
(ii) Three (3) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the results of 251 SVHC in the Candidate List are ≤ 0.1% (w/w) in the submitted sample.	Pass
According to the specified scope and evaluation screening, the results of 4 Potential SVHC are ≤ 0.1% (w/w) in the submitted sample.	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Dongyu Xie
Approved Signatory

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C24B3FAF

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

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(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	White plastic grains	A2	CAN25-0326495-0001.C002

Test Method:
With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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Result of SVHC in the Candidate List

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

Result of Potential SVHC

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
/	All Potential SVHC	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5) / = Potential SVHC

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

Remark: Results & photo(s) of this report refer to test report CANEC25032649529.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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Appendix:

Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Anthracene oil**	90640-80-5	0.050
II	18	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	19	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	20	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	21	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	22	Diisobutyl phthalate	84-69-5	0.050
II	23	Lead chromate*	7758-97-6	0.005
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	26	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	27	Tris(2-chloroethyl)phosphate	115-96-8	0.050
II	28	Acrylamide	79-06-1	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.050
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
		and its acyl halides (covering any of their individual isomers and combinations thereof)		
XXI	199	2-methoxyethyl acetate	110-49-6	0.050
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.050
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.050
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050
XXXI	242	Triphenyl phosphate	115-86-6	0.050
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.050
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.050
XXXII	245	Octamethyltrisiloxane	107-51-7	0.050
XXXII	246	Perfluamine	338-83-0	0.050
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.050
XXXIII	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
XXXIII	249	Decamethyltetrasiloxane	141-62-8	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXXIII	250	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.050
XXXIV	251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	84852-53-9	0.050
/	252	Resorcinol	108-46-3	0.050
/	253	n-hexane	110-54-3	0.050
/	254	4,4'-methylenediphenol (BPF)	620-92-8	0.050
/	255	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (BPAF) and its salts	-	0.050

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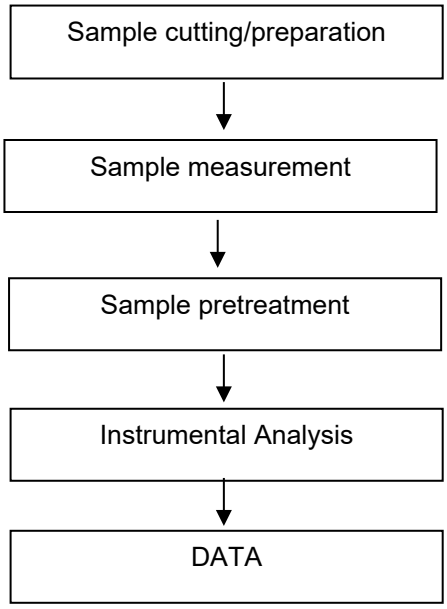
Testing Flow Chart



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Sample photos:



CAN25-0326495-0001.C002

SGS authenticate the photo on original report only

*** End of Report ***

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Member of the SGS Group (SGS SA)

Test Report (SVHC)

No.: CANEC25032649526 **Date:** Jan 06, 2026

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (BLACK)

The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-066151

Sample Receiving Date: Dec 29, 2025

Testing Period: Dec 29, 2025 ~ Jan 06, 2026

Test Requested: As requested by client, SVHC in Candidate List screening is performed according to:
(i) Two hundred and fifty-one (251) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.
As requested by client, Potential SVHC screening is performed according to:
(i) One (1) potential Substances of Very High Concern (SVHC) in the Identification ongoing.
(ii) Three (3) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the results of 251 SVHC in the Candidate List are ≤ 0.1% (w/w) in the submitted sample.	Pass
According to the specified scope and evaluation screening, the results of 4 Potential SVHC are ≤ 0.1% (w/w) in the submitted sample.	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Dongyu Xie
Approved Signatory

Scan to see the report

80FC6EDE

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

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(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Black plastic grains	A1	CAN25-0326495-0001.C001

Test Method:
With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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Result of SVHC in the Candidate List

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

Result of Potential SVHC

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
/	All Potential SVHC	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5) / = Potential SVHC

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

Remark: Results & photo(s) of this report refer to test report CANEC25032649525.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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Appendix:

Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Anthracene oil**	90640-80-5	0.050
II	18	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	19	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	20	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	21	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	22	Diisobutyl phthalate	84-69-5	0.050
II	23	Lead chromate*	7758-97-6	0.005
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	26	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	27	Tris(2-chloroethyl)phosphate	115-96-8	0.050
II	28	Acrylamide	79-06-1	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.050
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
		and its acyl halides (covering any of their individual isomers and combinations thereof)		
XXI	199	2-methoxyethyl acetate	110-49-6	0.050
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050

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XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.050
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.050
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050
XXXI	242	Triphenyl phosphate	115-86-6	0.050
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.050
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.050
XXXII	245	Octamethyltrisiloxane	107-51-7	0.050
XXXII	246	Perfluamine	338-83-0	0.050
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.050
XXXIII	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
XXXIII	249	Decamethyltetrasiloxane	141-62-8	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXXIII	250	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.050
XXXIV	251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	84852-53-9	0.050
/	252	Resorcinol	108-46-3	0.050
/	253	n-hexane	110-54-3	0.050
/	254	4,4'-methylenediphenol (BPF)	620-92-8	0.050
/	255	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (BPAF) and its salts	-	0.050

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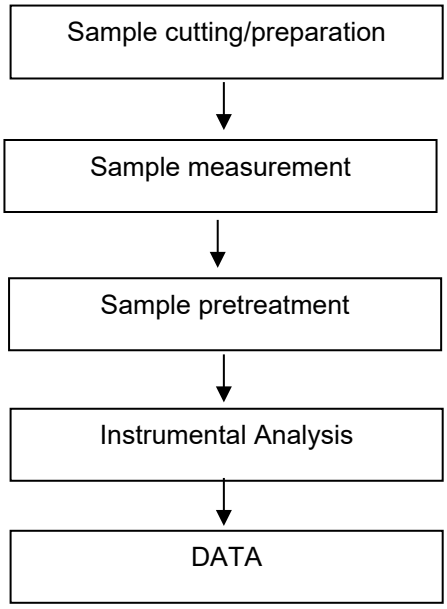
ATTACHMENTS

Testing Flow Chart



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Sample photos:



CAN25-0326495-0001.C001

SGS authenticate the photo on original report only

*** End of Report ***

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Test Report (SVHC)

Client Name: JIA XIN NEW MATERIALS(ANFU) CO., LTD.

Client Address: ELECTROMECHNICAL AVENUE, HIGH-TECH INDUSTRIAL PARK, ANFU COUNTY, JI'AN CITY, JIANGXI PROVINCE, CHINA

Sample Name: PVC GRAIN (BLUE/GREEN/YELLOW/GRAY/RED/BROWN)

The above sample(s) and information were provided by the client.

SGS Job No.:	SZP25-066151
Sample Receiving Date:	Dec 29, 2025
Testing Period:	Dec 29, 2025 ~ Jan 06, 2026
Test Requested:	As requested by client, SVHC in Candidate List screening is performed according to: (i) Two hundred and fifty-one (251) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH. As requested by client, Potential SVHC screening is performed according to: (i) One (1) potential Substances of Very High Concern (SVHC) in the Identification ongoing. (ii) Three (3) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.
Test Method(s):	Please refer to next page(s).
Test Result(s):	Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Dongyu Xie
Approved Signatory

Scan to see the report

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

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(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Blue plastic grains+Green plastic grains+Yellow plastic grains+Gray plastic grains+Red plastic grains+Brown plastic grains	A3	CAN25-0326495-0001.C003

Test Method:
With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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Result of SVHC in the Candidate List

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

Result of Potential SVHC

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
/	All Potential SVHC	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5) / = Potential SVHC

(6) Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

Remark: Results & photo(s) of this report refer to test report CANEC25032649531.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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Member of the SGS Group (SGS SA)

Appendix:

Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Anthracene oil**	90640-80-5	0.050
II	18	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	19	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	20	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	21	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	22	Diisobutyl phthalate	84-69-5	0.050
II	23	Lead chromate*	7758-97-6	0.005
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	26	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	27	Tris(2-chloroethyl)phosphate	115-96-8	0.050
II	28	Acrylamide	79-06-1	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.050
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts	-	0.050

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		and its acyl halides (covering any of their individual isomers and combinations thereof)		
XXI	199	2-methoxyethyl acetate	110-49-6	0.050
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.050
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.050
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050
XXXI	242	Triphenyl phosphate	115-86-6	0.050
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.050
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.050
XXXII	245	Octamethyltrisiloxane	107-51-7	0.050
XXXII	246	Perfluamine	338-83-0	0.050
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.050
XXXIII	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
XXXIII	249	Decamethyltetrasiloxane	141-62-8	0.050

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Technical Services Chemical Laboratory

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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 sgs.china@sgs.com

Batch	No.	Substance Name	CAS No.	RL (%)
XXXIII	250	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.050
XXXIV	251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	84852-53-9	0.050
/	252	Resorcinol	108-46-3	0.050
/	253	n-hexane	110-54-3	0.050
/	254	4,4'-methylenediphenol (BPF)	620-92-8	0.050
/	255	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (BPAF) and its salts	-	0.050

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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663
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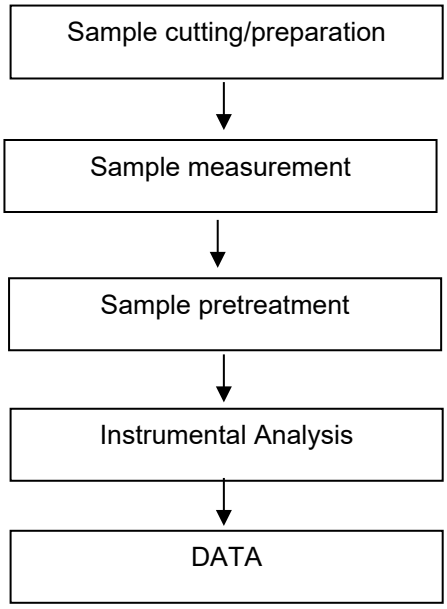
t (86-20) 82155555 sgs.china@sgs.com

ATTACHMENTS

Testing Flow Chart



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Sample photos:



CAN25-0326495-0001.C003

SGS authenticate the photo on original report only

*** End of Report ***

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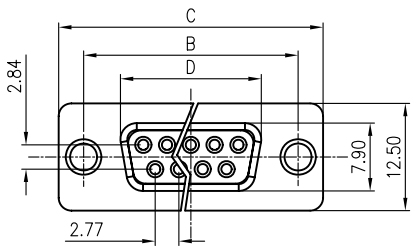
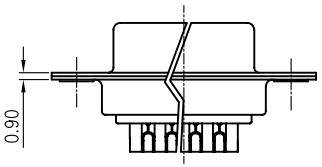
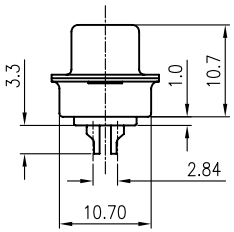
REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED

[FEMALE]







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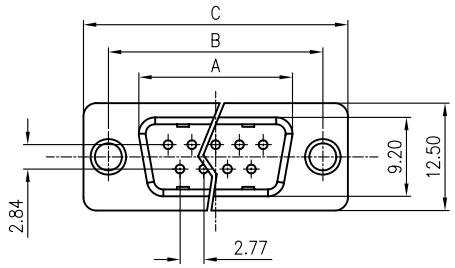
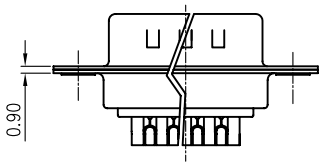
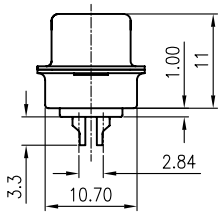
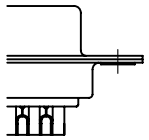




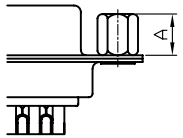


Dimension

Position	A±0.2	B±0.2	C±0.3	D
9	17.90	24.99	30.80	16.33
15	26.50	33.32	39.14	24.66
25	40.00	47.04	53.04	38.38
37	56.50	63.50	69.32	54.84



Standard



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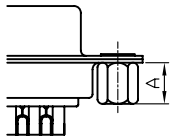

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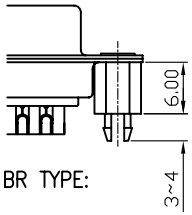

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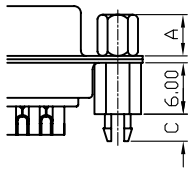
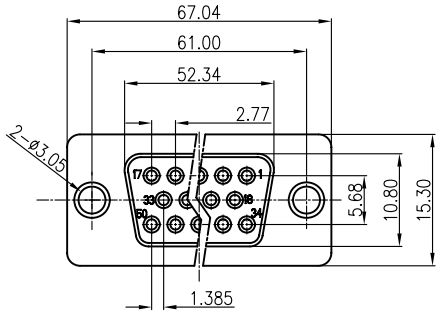
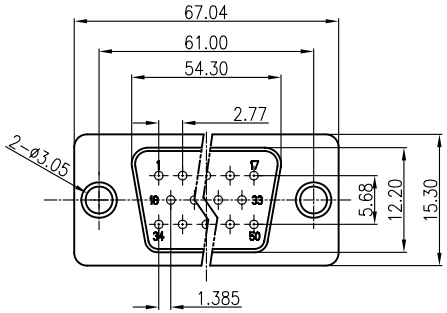


BRJ TYPE:



50pin Female Figure



50pin Male Figure

NOTES:

1. ELECTRICAL CHARACTERISTICS:
   - 1.1 CONTACT RESISTANCE: 20mΩ Max. INITIAL.
   - 1.2 DIELECTRIC WITHSTANDING VOLTAGE: 500V AC(rms) FOR 1 MINUTE.
   - 1.3 INSULATION RESISTANCE: 1000MΩ Min.
2. ENVIRONMENT CHARACTERISTICS: TEMPERATURE RANGE: −45°C~+105°C.
3. PART NUMBER: YQ DB
4. PRODUCT NUMBER CODE:

YQ - DB − X X X X X X X

- SCREW DIM. A
  - S: Standard(W/O nut)
  - 1: 5.00
  - 2: 3.00
  - 3: 5.20
  - 4: 4.80
  - 5: 5.80
  - 6: 4.00
- SCREW TYPE
  - S: Standard(W/O nut)
  - 1: CC TYPE
  - 2: CS TYPE
  - 3: BR TYPE
  - 4: BRJ TYPE DIM. C: 3~4mm
  - 5: BRJ TYPE DIM. C: 5~6mm
- CONTACT PLATING
  - 8: FULL GOLD FLASH
  - Si: SELECTIVE GOLD FLASH
- SHELL PLATING
  - T: FRONT & BACK SHELL Tin
  - N: FRONT SHELL Nickel, BACK SHELL Tin
- HOUSING COLOR
  - B: BLACK
  - W: WHITE
  - U: BLUE
- CONNECTOR TYPE
  - M: Male
  - F: Female
  - MT: Male Tradition
  - FS: Female Simple
- NO.OF CONTACTS
  - 09: 9pos.
  - 15: 15pos.
  - 25: 25pos.
  - 37: 37pos.
  - 50: 50pos.

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.60	X.	±5°
.X	±0.38	.X	±3°
.XX	±0.25	.XX	±2°

DRAWING TYPE	CUSTOMER		
SCALE	1:1	SHEET	1 OF 1
DRAWING NO.	C - YQ - DB - 0000000		

PROJECTION		TITLE	D−SUB SOLDER TYPE
UNITS	mm		
SHEET SIZE	A4	SERIES	YQ - DB SERIES

东莞市（太力）涌泉电子有限公司

中國鋼鐵

CHINA STEEL

品質證明書

TEST CERTIFICATE

(INSPECTION CERTIFICATE)

中國鋼鐵股份有限公司
CHINA STEEL CORPORATION
1 CHUNG KANG ROAD HSIAO KANG, KAOHSIUNG
TAIWAN, REPUBLIC OF CHINA

FD020-0A 0085

客戶名稱 SOLD TO	KUNG YICK METAL CO. LTD. UNIT 101-8 1/F, ,EAST OCEAN CENTRE, 98 GRANVILLE ROAD TSIMSHATSUI EAST,KLN,HK	產品名稱 PRODUCT	CR SHEET-COIL
		供貨定約 ENQUIRY NO.	912936/EF0408
		證明書編號 CERTIFICATE NO.	920103F0070
備註 REMARK	JIS G3141 SPCC-SD. ANNEAL: UNEXPOSED (CQ2.UE). TM9463	客戶編號 DISTRICT NO.	HONGSH K
		中鋼訂單編號 CSC ORDER NO.	ES73551
		交貨日期 SHIPMENT DATE	ON/ABOUT JAN.08.2003
		證明書日期 CTC ISSUE DATE	JAN.09.2003
交貨地點 DELIVERY	CSC MILL INSPECTION.	T/C	01 - 03 3
		客戶訂單編號 CUST.ORDER NO.	

項次 NO.	產品序號 LABEL NO.	尺寸及規格 MATERIAL DESCRIPTION 厚度 THICK. MM	寬度 WIDTH IN	長度 LENGTH MM	數量 QTY.	重量 WGT. KGS	爐號 HEAT NO.	鋼捲號碼 COIL NO.	試片號碼 SAMPLE NO.	拉伸試驗 TENSILE TEST 降伏點 Y.S. N/MM2	抗拉強度 T.S.	伸長率 EL. %	FOS 硬度	化學成分 CHEMICAL ANALYSIS % C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al	備註 REMARK
		SPECIFICATION												X10	X10	X10		X10					X10	
001	F342499	0.40	48.000	COIL	1	7,162	58062	B48043	B48043	169	31799.5	37		3	18	12	6	1					50	
	F342494	"	"	"	1	7,170	58062	B48943	B48943	169	31799.5	37		3	18	12	6	1					50	
	F346380	"	"	"	1	9,800	58047	B51605	B51605	161	30543.5	35		4	18	11	2	1					50	
	F346389	"	"	"	1	9,000	58047	B51605	B51605	161	30543.5	35												
	F346403	"	"	"	1	9,871	58047	B51604	B51604	160	30544.0	32												
	F346404	"	"	"	1	9,855	58047	B51604	B51604	160	30544.0	32												
	F346413	"	"	"	1	9,210	58047	B51603	B51603	161	31745.5	37												
	F346414	"	"	"	1	9,855	58047	B51603	B51603	161	31743.5	37												
	F346428	"	"	"	1	9,480	58048	B51606	B51606	172	32643.5	34		3	17	13	8	1					49	
	F346430	"	"	"	1	8,850	58048	B51606	B51606	172	32643.5	34												
	F672421	"	"	"	1	9,780	58047	B51602	B51602	155	30544.5	33		4	18	11	2	1					50	
	F672422	"	"	"	1	8,800	58047	B51602	B51602	155	30544.5	33												
	F672442	"	"	"	1	9,065	58047	B51607	B51607	166	30544.5	35												
	F672443	"	"	"	1	9,000	58047	B51607	B51607	166	31045.0	33												
	F672867	"	"	"	1	8,850	58047	B51608	B51608	159	31042.0	30												
	F672868	"	"	"	1	9,025	58047	B51608	B51608	159	31042.0	30												
002	F345488	0.80	48.000	COIL	1	9,800	58049	B51613	B51613	164	30545.5	30		3	18	14	6	1					49	
	F345489	"	"	"	1	8,780	58049	B51613	B51613	164	30545.5	30												
	F345492	"	"	"	1	7,326	60948	B51609	B51609	157	30546.5	36		3	17	13	8	1					49	
	F346489	"	"	"	1	7,185	58948	B51609	B51609	157	30546.5	36												
	F345941	"	"	"	1	7,216	58940	B51638	B51638	170	31545.5	40		2	16	11	8	1					50	
	F345942	"	"	"	1	7,201	58940	B51638	B51638	170	31545.5	40												
			TOTAL:		23	195.170																		

備註 NOTES

*01 拉伸試驗 TENSION TEST
*05 硬度試驗 HARDNESS TEST

KG/MM2 = N/MM2 / 9.80665
UNIT:FOR REFERENCE ONLY

SURVEYOR TO

我們特此證明本表所列產品，係依規格製造與試驗，並符合規格之要求。
WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.

Y.C. Kang for

品質技術處長
CENTRAL LABORATORY, RESEARCH DEVELOPMENT DEPARTMENT

SHINITE™ PBT

PROPERTY	METHOD	UNIT	D201	D201G15	D201G30	D202	D202G15	D202G20	D202G30
SPECIFIC GRAVITY	D792	---	1.31	1.39	1.52	1.40	1.49	1.53	1.62
WATER ABSORPTION 23 °C / 24 Hrs.	D570	%	0.09	0.07	0.07	0.08	0.07	0.07	0.07
MOLD SHRINKAGE	D955	%							
FLOW			0,6 - 2,0	0.3 - 0.5	0,2 - 0,4	0,6 - 1,9	0,3 - 0.5	0.3 - 0,5	0,2 - 0,4
CROSS FLOW			0,6 - 2,0	0.5 - 0,9	0,5 - 0,9	0,6 - 1,9	0,5 - 0,9	0,5 - 0,9	0,5 - 0,9
TENSILE STRENGTH	D638	kg/cm²	550	1000	1250	600	950	1100	1300
TENSILE ELONGATION	D638	%	40	4	4	6	4	4	4
FLEXURAL STRENGTH	D790	kg/cm²	850	1800	2100	900	1800	1750	1950
FLEXURAL MODULUS	D790	kg/cm²	25000	52000	90000	26000	60000	70000	95000
IZOD IMPACT, NOTCHED 1/8" (23 °C)	D256	kg x cm/cm	4	6	10	4	6	7.5	9
ROCKWELL HARDNESS	D785	R	118	120	120	118	120	120	120
H.D.T 18.6kg/cm²	D648	°C	65	205	210	70	200	205	210
FLAMMABILITY	UL-94	---	HB	HB	HB	V0	V0	V0	V0
DIELECTRIC STRENGTH	D149	KV/MM	15	15	20	15	20	20	20
DIELECTRIC CONSTANT	D150	---	3	3	4	3	3	4	4
VOLUME RESISTIVITY	D257	Ω-CM	1.00E+16	1.00E+16	1.00E+16	1.00E+16	1.00E+16	1.00E+16	1.00E+16

BASE POLYMER	GLASS-FIBER REINFORCED	FIRE RETARDANT	FIRE RETARDANT GLASS-FIBER REINFORCED
D201	D201G15 D201G30	D202	D202G15-G30

D201, D201G15, D201G30, D202, D202G5-30 UL File No. E107536 (M)

THE DATA LISTED ABOVE IS FOR YOUR REFERENCE ONLY, THE INSPECTION REPORT WILL BE SUPPLIED AFTER SHIPMENT

MINCHALI

REPORT OF MATERIAL TEST

DATE: NOV. 15. 1999

Customer: 台維實業股份有限公司	Cominodity: C 2680 R BRASS STRIP (1/2H)	ISO 9002:4M8Y035-00 台正字第 3544 號
Applied Standard: CNS 4383 Brass Sheets, Plates and Strips		

Chemical Analysis Test

Work No.	Size of Product			Cu(%)	Fe(%)	Pb(%)	Zn(%)			
	Thickness (mm)	Width (mm)	Length (mm)							
	Standard			64.00 - 68.00	max. 0.050	max. 0.070	REM.			
8BA051A	0.400	0.000		65.240	0.027	0.010	REM.			

Mechanical & Physical Test

Work No.	Size of Product			Dimension Test		Tension Test		Hardness Test HV	Grain Size (mm)	Electric Conductirity (%)
	Thickness (mm)	Width (mm)	Length (mm)	Thickness (mm)	Width (mm)	Tensile Strength (kgf/mm²)	Elongation (%)			
	Standard			-	(-) 0.10 - (+) 0.00	36 - 45	min. 28	85 - 145	-	-
8BA051A	0.400	0.000		GOOD.	GOOD.	40.38	38.28	117.0 - 119.0	-	24.7

QC Supervisor

MINCHALI METAL INDUSTRY CO., LTD.
11, Pei Yuan Road, Chung Li City, Taiwan, R. O. C.
Tel : (03)4526141-5 (03)4526017-9

Test Report (SVHC)

No.: SHAEC25031515527 **Date:** Dec 04, 2025

Client Name: JIANGXI YUNTAI COPPER INDUSTRY CO.,LTD

Client Address: NO.8 NANHUAN ROAD ECONOMIC DEVELOPMENT ZONE, GUIXI CITY, JIANGXI PROVINCE.

Sample Name: C2680

Client Ref. Information: H65

The above sample(s) and information were provided by the client.

SGS Job No.: SHP25-040688

Sample Receiving Date: Nov 28, 2025

Testing Period: Nov 28, 2025 ~ Dec 04, 2025

Test Requested: As requested by client, SVHC in Candidate List screening is performed according to:
(i) Two hundred and fifty-one (251) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.
As requested by client, Potential SVHC screening is performed according to:
(i) One (1) potential Substances of Very High Concern (SVHC) in the Identification ongoing.
(ii) Three (3) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the results of 251 SVHC in the Candidate List are ≤ 0.1% (w/w) in the submitted sample.	Pass
According to the specified scope and evaluation screening, the results of 4 Potential SVHC are ≤ 0.1% (w/w) in the submitted sample.	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Carol Luo

Carol Luo
Approved Signatory

Scan to see the report

061041CB

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

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SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd. Chemical Laboratory

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Member of the SGS Group (SGS SA)

(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Golden metal	A9	SHA25-0315155-0001.C009

Test Method:
With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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Result of SVHC in the Candidate List

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

Result of Potential SVHC

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
/	All Potential SVHC	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5) / = Potential SVHC

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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Appendix:
Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Anthracene oil**	90640-80-5	0.050
II	18	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	19	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	20	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	21	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	22	Diisobutyl phthalate	84-69-5	0.050
II	23	Lead chromate*	7758-97-6	0.005
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	26	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	27	Tris(2-chloroethyl)phosphate	115-96-8	0.050
II	28	Acrylamide	79-06-1	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050

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t HL (86-21) 61402594 f HL (86-21)61156899 sgs.china@sgs.com

Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.050
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
		and its acyl halides (covering any of their individual isomers and combinations thereof)		
XXI	199	2-methoxyethyl acetate	110-49-6	0.050
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.050
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.050
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050
XXXI	242	Triphenyl phosphate	115-86-6	0.050
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.050
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.050
XXXII	245	Octamethyltrisiloxane	107-51-7	0.050
XXXII	246	Perfluamine	338-83-0	0.050
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.050
XXXIII	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
XXXIII	249	Decamethyltetrasiloxane	141-62-8	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXXIII	250	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.050
XXXIV	251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	84852-53-9	0.050
/	252	Resorcinol	108-46-3	0.050
/	253	n-hexane	110-54-3	0.050
/	254	4,4'-methylenediphenol (BPF)	620-92-8	0.050
/	255	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (BPAF) and its salts	-	0.050

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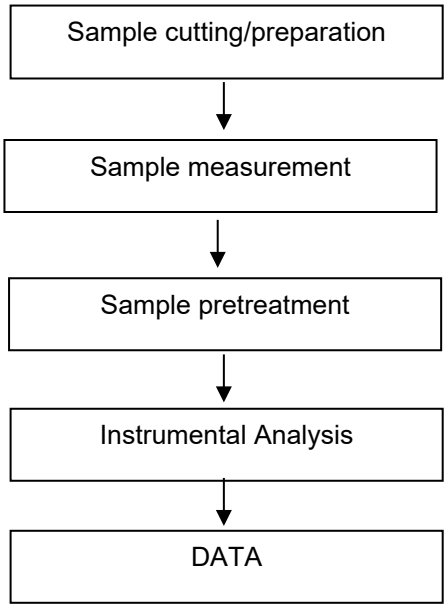
Testing Flow Chart



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Sample photos:



SHA25-0315155-0001.C009

SGS authenticate the photo on original report only

*** End of Report ***

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Test Report

No.: SHAEC25031515525 **Date:** Dec 04, 2025

Client Name: JIANGXI YUNTAI COPPER INDUSTRY CO.,LTD

Client Address: NO.8 NANHUAN ROAD ECONOMIC DEVELOPMENT ZONE, GUIXI CITY, JIANGXI PROVINCE.

Sample Name: C2680

Client Ref. Information: H65

The above sample(s) and information were provided by the client.

SGS Job No.: SHP25-040688

Sample Receiving Date: Nov 28, 2025

Testing Period: Nov 28, 2025 ~ Dec 04, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Carol Luo
Approved Signatory

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5DF2F36C

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A9	SHA25-0315155-0001.C009	Golden metal

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A9
Lead (Pb)	1000	mg/kg	2	27
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND

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Test Item(s)	Limit	Unit(s)	MDL	A9
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) ▼ =
a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm^2. The sample coating is considered to contain Cr(VI).
b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm^2). The coating is considered a non-Cr(VI) based coating.
c. The result between 0.10 μg/cm^2 and 0.13 μg/cm^2 is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

检验检测专用章 Inspection & Testing Services

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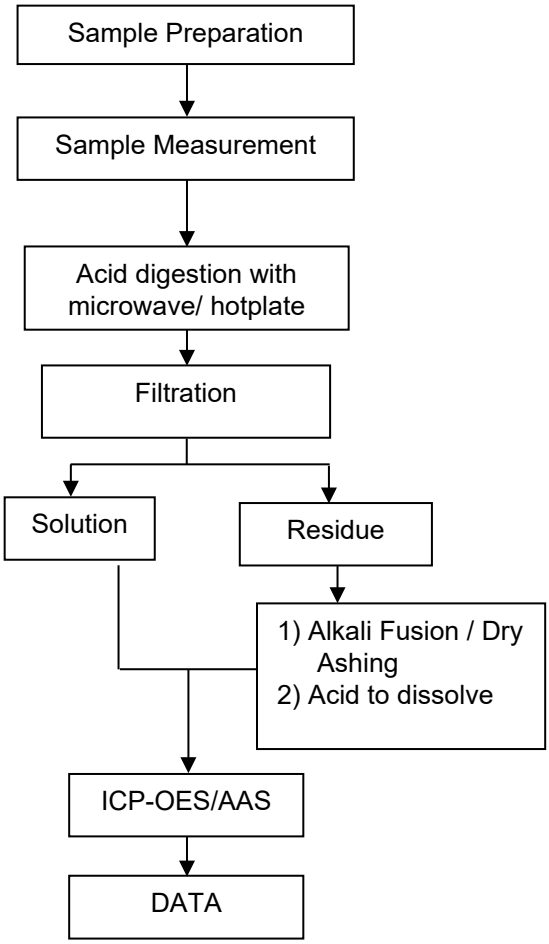
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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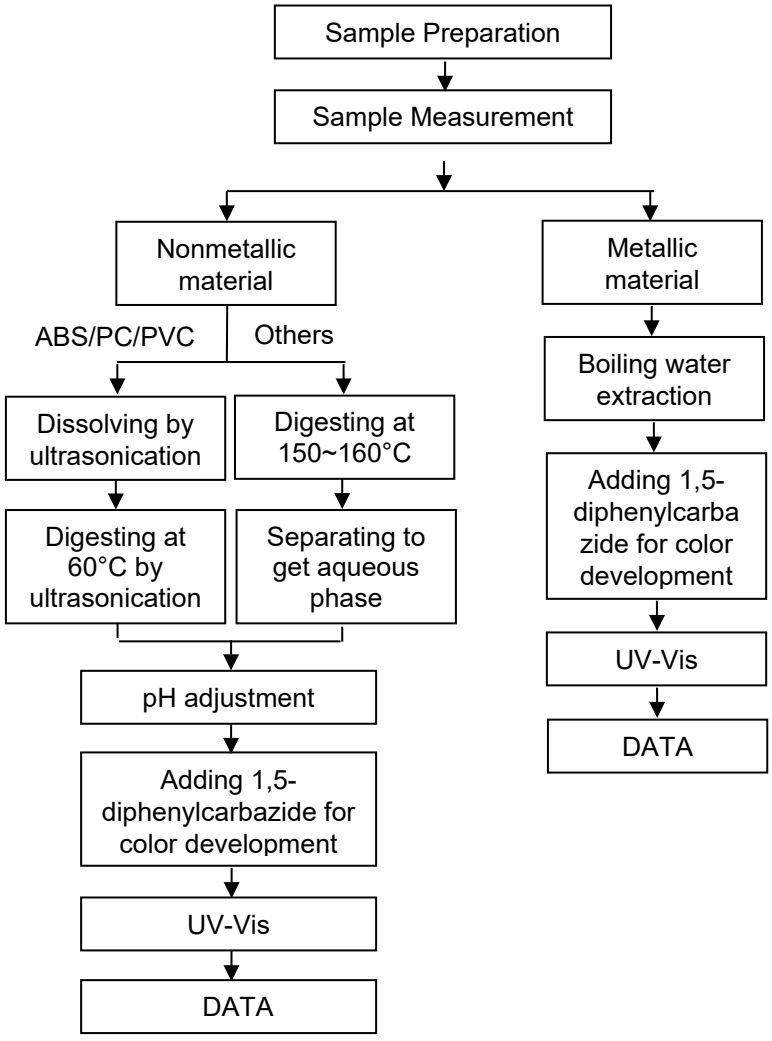
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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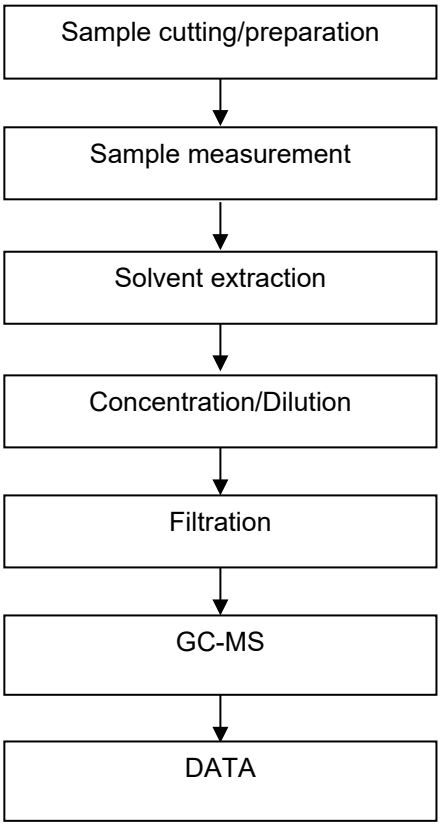
PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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Test Report

No.: CANEC24028464003_1 **Date:** Jun 18, 2025

Client Name: DONGGUAN CITY FENGTONG PLASTIC CO.,LTD

Client Address: FUMA LNDUSTRIAL ZONE, CHIGANG VILLAGE, HUMEN TOWN, DONGGUAN CITY,GUANGDONG PROVINCE

Sample Name: POLYBUTYLENE TEREPHTHALATE (PBT)

Client Ref. Information: ST-PBT 301 PBTR301-G5 PBTR301-G10 PBTR301-G15 PBTR301-G20 PBTR301-G25 PBTR301-G30 PBTR301-G35 PBTR301-G40 PBTR201 PBTR101-G5 PBTR101-G10 PBTR101-G15 PBTR101-G20 PBTR101-G25 PBTR101-G30 PBTR101-G35 PBTR101-G40 PBTR401 PBTS301-G5 PBTS301-G10 PBTS301-G15 PBTS301-G20 PBTS301-G25 PBTS301-G30 PBTS301-G35 PBTS301-G40 PBTS201 PBTS101-G5 PBTS101-G10 PBTS101-G15 PBTS101-G20 PBTS101-G25 PBTS101-G30 PBTS301-G35 PBTS101-G40 PBTS401 PBTF301-G5 PBTF301-G10 PBTF301-G15 PBTF301-G20 PBTF301-G25 PBTF301-G30 PBTF301-G35 PBTF301-G40 PBTF201 PBTF101-G5 PBTF101-G10 PBTF101-G15 PBTF101-G20 PBTF101-G25 PBTF101-G30 PBTF101-G35 PBTF301-G40 PBTF401 PBT4115(fl) PBT4830 PBT5630 PBT BLACK PLASTIC MATERIAL

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.CANEC24028464003, DATE: Dec 23, 2024.

SGS Job No.: SZP24-055368

Sample Receiving Date: Dec 17, 2024

Testing Period: Dec 17, 2024 ~ Dec 23, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
Tetrabromobisphenol A (TBBP-A)	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

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t (86-20) 82155555 sgs.china@sgs.com

Test Requirement	Conclusion
Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)	See Results

Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A3	CAN24-0284640-0001.C003	Black plastic grains

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A3
Lead (Pb)	1000	mg/kg	2	10
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND

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Test Item(s)	Limit	Unit(s)	MDL	A3
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Tetrabromobisphenol A (TBBP-A)

Test Method: With reference to US EPA 3550C: 2007, analysis was performed by GC-MS or LC-MS or LC-MS/MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A3
Tetrabromobisphenol A(TBBP-A)	79-94-7	mg/kg	5	ND

Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)

Test Method: With reference to ISO 22818:2021,analysis was performed by GC-NCI-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A3
Alkanes C_{14}-C_{17}, chloro (medium- chain chlorinated paraffins) (MCCPs)	85535-85-9 and others	mg/kg	50	ND

This report updates Client Ref. Information.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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检验检测专用章 Inspection & Testing Services

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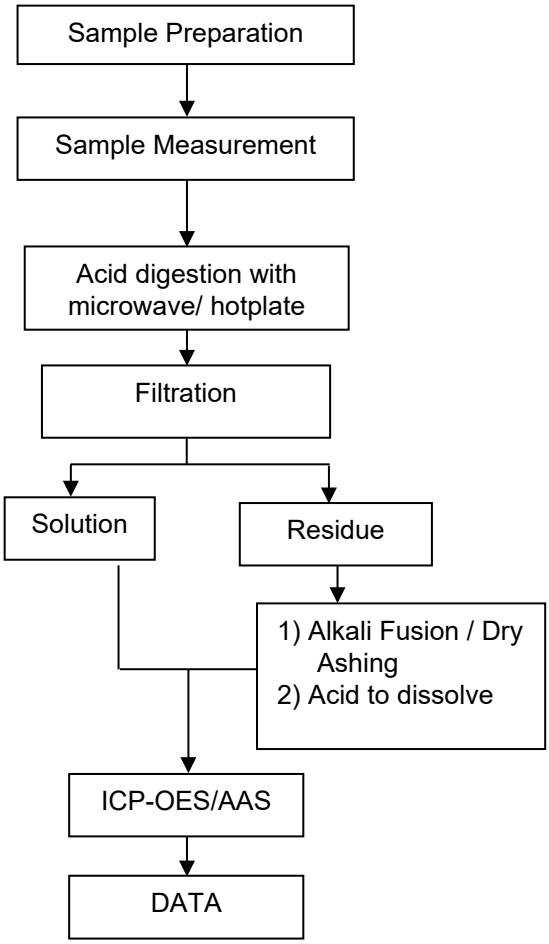
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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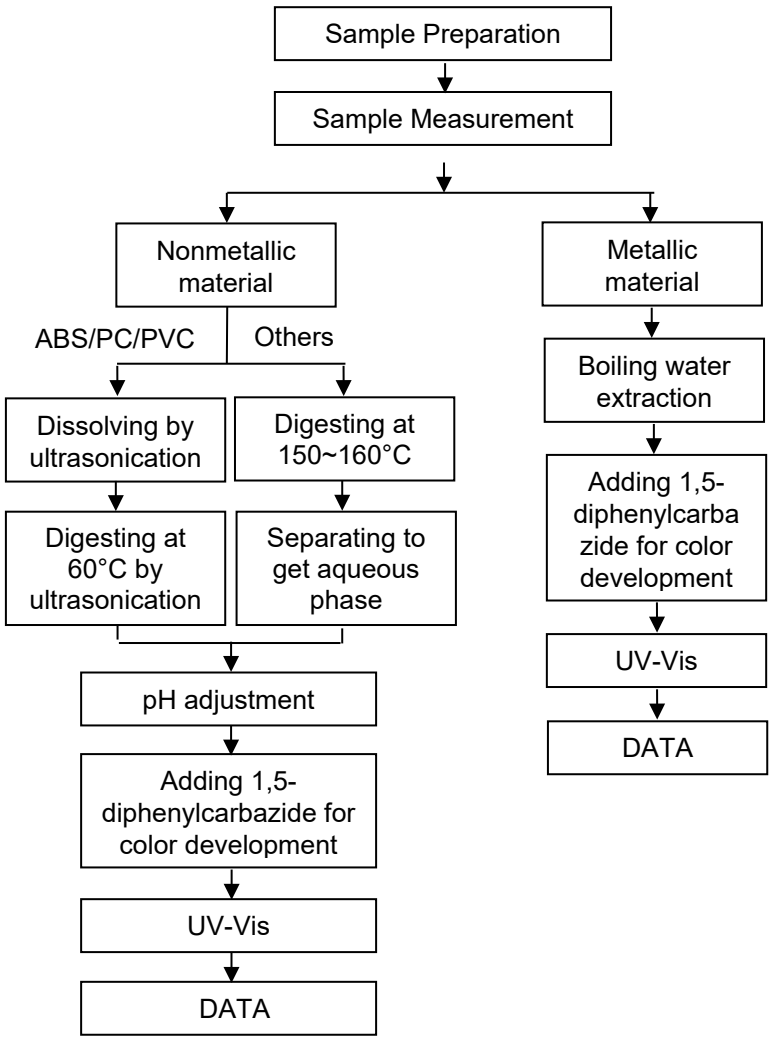
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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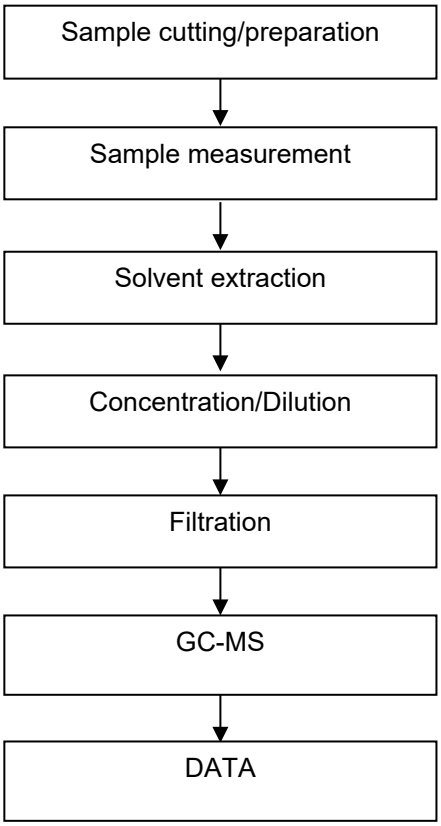
PBB/PBDE/Phthalates Testing Flow Chart



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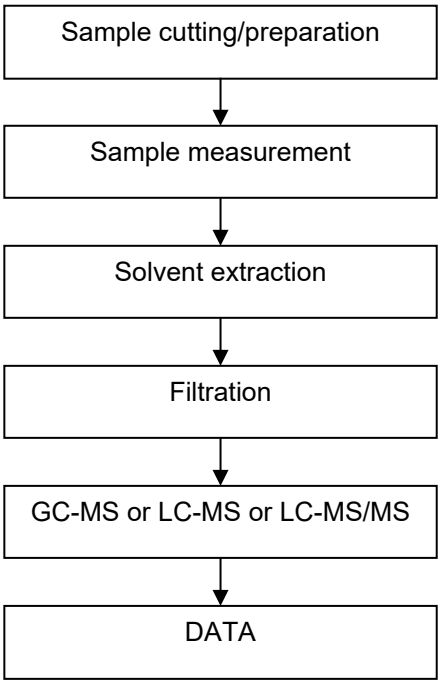
TBBP-A Testing Flow Chart



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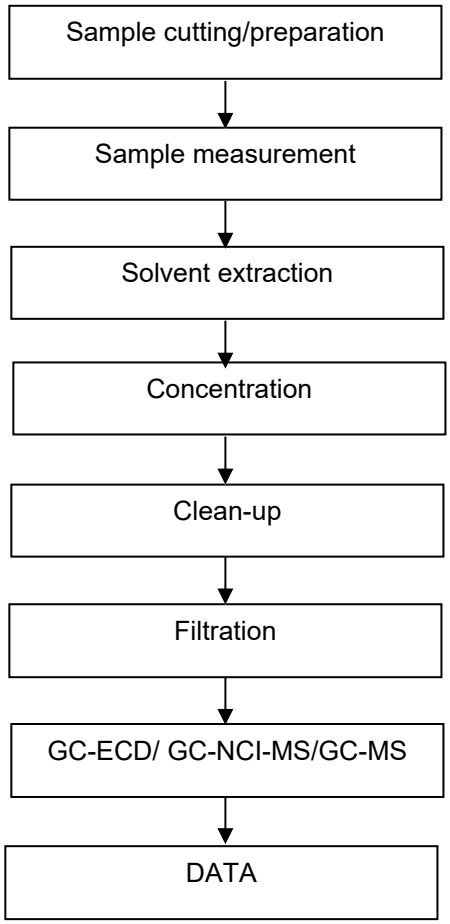
Chlorinated Paraffin Testing Flow Chart



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Sample Photo:



CAN24-0284640-0001.C003

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*** End of Report ***

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检测报告
Test Report

报告编号 A226043872910100301E
Report No. A226043872910100301E

报告抬头公司名称 Company Name shown on Report	佛山市顺德区宏凯电镀有限公司 FOSHAN SHUNDE HONGKAI ELECTROPLATING CO., LTD
地址 Address	广东省佛山市顺德区杏坛镇万亩工业区科技五路 XINGTAN TOWN, SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, WAN MU INDUSTRIAL ZONE TECHNOLOGY ROAD FIVE

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称 Sample Name	铁壳 ironclad
样品颜色 Color	锡 tin
材料名称 Material	铁材 Iron material
样品接收日期 Sample Received Date	2026.05.29 May 29, 2026
样品检测日期 Testing Period	2026.05.29-2026.06.03 May 29, 2026 to Jun. 3, 2026
检测要求 Test Requested	根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)，邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)进行测试。 As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).
检测依据/检测结果 Test Method/Test Result(s)	请参见下页。 Please refer to the following page(s).

批准 Approved by: 冯贯叶 日期 Date: 2026.06.03

冯贯叶
授权签字人 Lab Authorized Signatory

No. R480978559

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Centre Testing International Group Co.,Ltd. Shunde Branch
Room 501, 902, Yongying Building,Section 2, No.8, East of Rongqi Avenue,Ronggui,Shunde District,Foshan,Guangdong,China

检测报告
Test Report

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结论 Conclusion

测试样品 Tested Sample	依据标准/指令 According to standard/directive	结果 Result
提交样品 Submitted Sample	欧盟 RoHS 指令 2011/65/EU 及其修订指令 (EU) 2015/863 RoHS Directive 2011/65/EU with amendment (EU) 2015/863	符合 PASS

****

符合表示检测结果满足欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863要求的限值。

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

检测报告
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检测依据 Test Method

测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	参考 IEC 62321-5:2013 Refer to IEC 62321-5:2013	ICP-OES
镉 Cadmium (Cd)	参考 IEC 62321-5:2013 Refer to IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	参考 IEC 62321-4:2013+AMD1:2017 CSV Refer to IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015*	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015*	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017*	GC-MS

检测结果 Test Result(s)

测试项目 Tested Item(s)	**结果 Result**	**方法检出限 MDL**	**限值 Limit**
	003		
铅 Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.▼	0.10 μg/cm² (LOQ)	1000 mg/kg

检测报告
Test Report

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	003		
多溴联苯 Polybrominated Biphenyls (PBBs)			
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg	

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	003		
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)			
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg	
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg	
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg	
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg	
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg	
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg	
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg	
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg	

检测报告
Test Report

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	003		
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)			
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	003	银色镀层 Silvery plating

检测报告
Test Report

备注: **对于检测铅，镉，汞之样品已消解完全。**

-N.D. = 未检出 (小于方法检出限或定量限)

-mg/kg = ppm = 百万分之一

-1000 mg/kg = 0.1%

-LOQ = 定量限，六价铬的定量限为 0.10 μg/cm^2

-▼六价铬浓度小于 0.10 μg/cm^2，样品未检出六价铬。由于未获知样品的存储条件和生产日期，样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。

-根据客户声明，本报告中的报告抬头公司名称与报告 A2260438729101003E 中的报告抬头公司名称为集团公司和子（附属）公司关系，本报告的测试结果引用自报告 A2260438729101003E。

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL or LOQ)

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm^2

-▼The sample is negative for Cr(VI) − The Cr(VI) concentration is below 0.10 μg/cm^2. The coating is considered a non-Cr(VI) based coating. Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

-According to the client's statement, the Company Name shown on Report in this report and the Company Name shown on Report in the report A2260438729101003E are the Group-subsidiary relations,the test result(s) of this report is/are presented in reference to the result(s) that reported in A2260438729101003E.

注释 Note:

本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

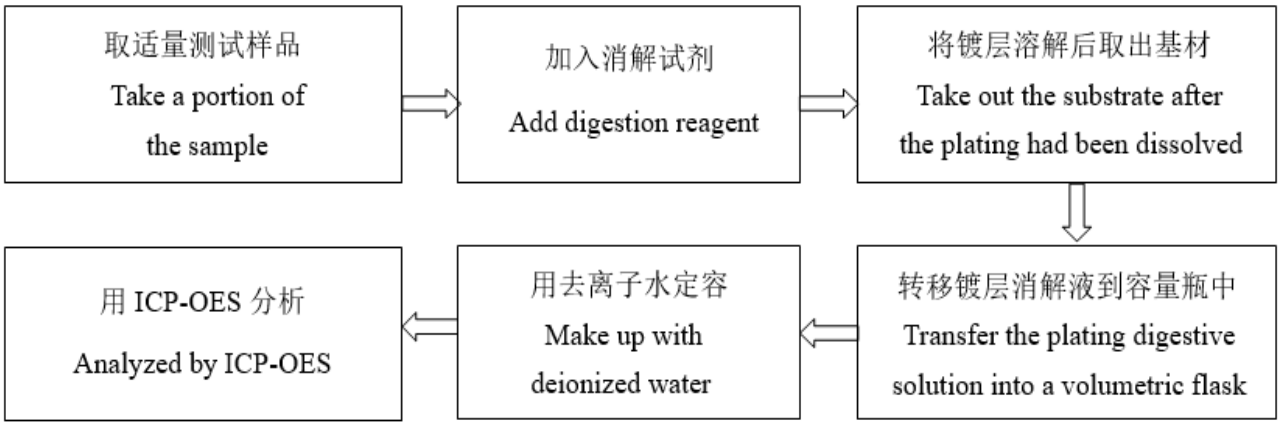
"*"表示该项目/方法不在 CNAS 认可范围内。

"*"indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.

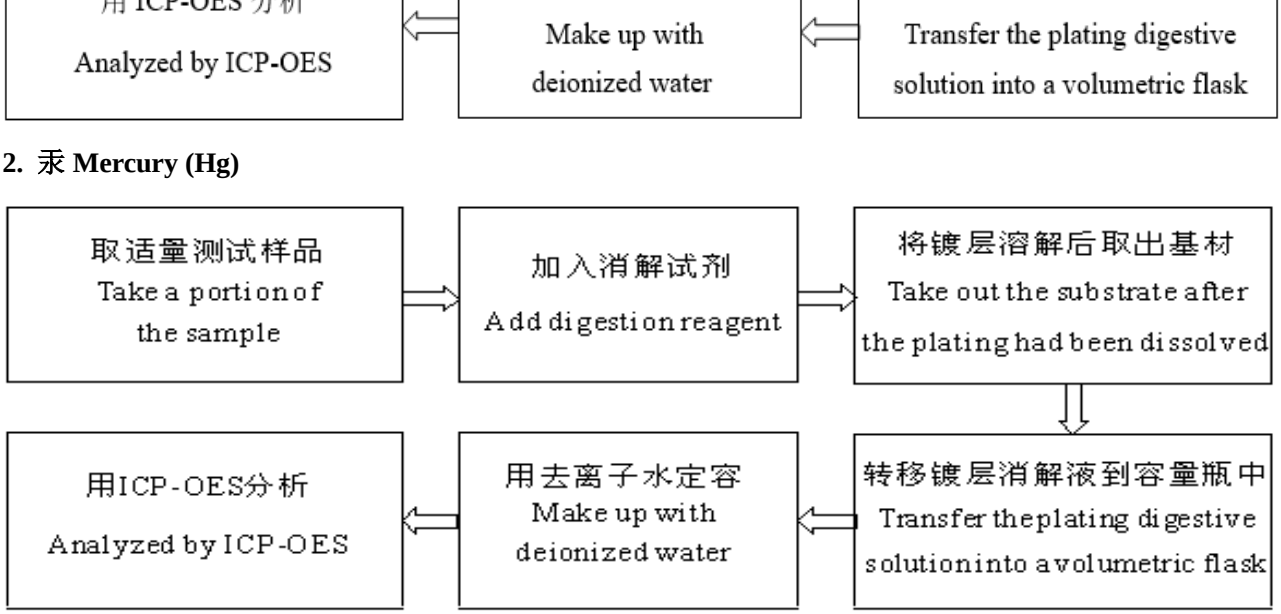
检测报告
Test Report

检测流程 Test Process

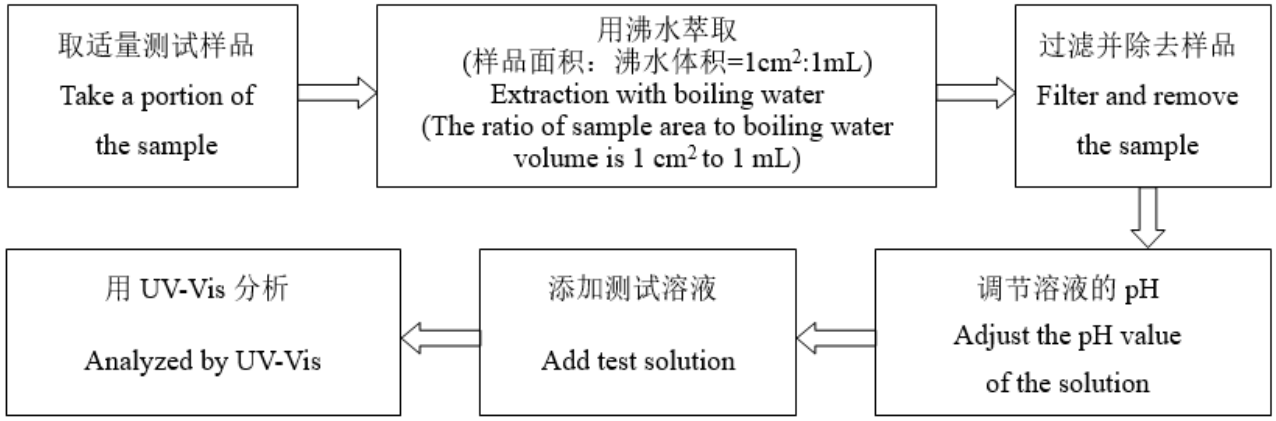
1. 铅 Lead (Pb), 镉 Cadmium (Cd)



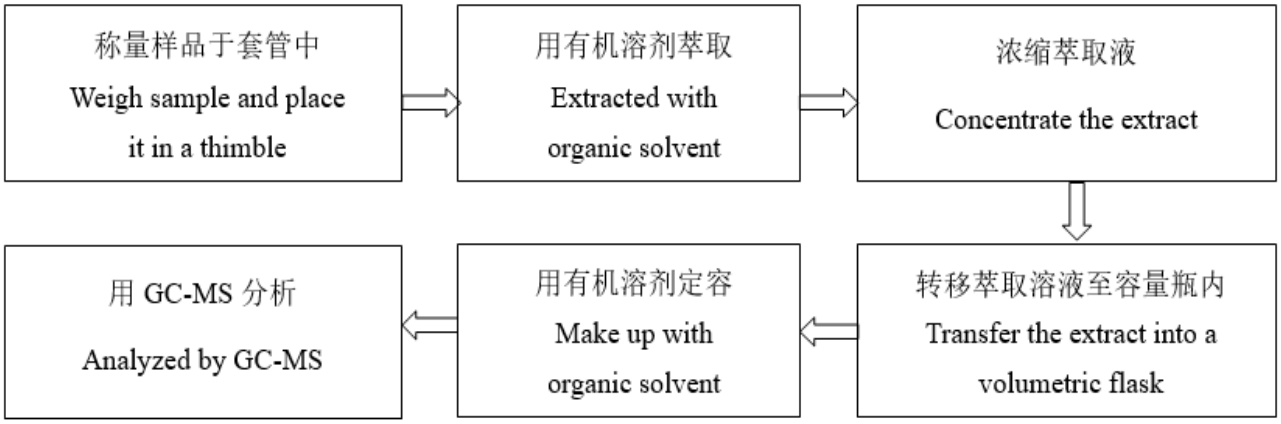
2. 汞 Mercury (Hg)



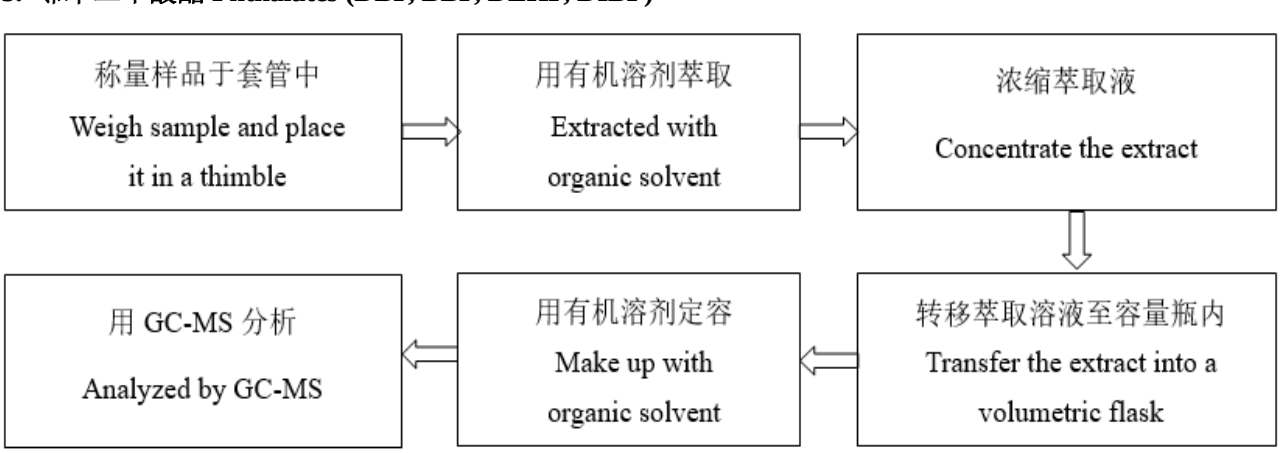
3. 六价铬 Hexavalent Chromium (Cr(VI))



4. 多溴联苯 Polybrominated Biphenyls (PBBs), 多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)



5. 邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)



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样品图片

Photo(s) of the sample(s)



声明 Statement：

1. 本报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明，报告参照 ILAC-G8:09/2019 / CNAS-GL015:2022 使用简单接受（w=0）二元判定规则进行符合性判定；
   Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
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   In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
*** End of Report ***

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报告编号 A2260110518102001E　　第 1 页 共 19 页
Report No. A2260110518102001E　　Page 1 of 19

报告抬头公司名称 深圳市国龙鑫实业有限公司
Company Name shown on Report SHENZHEN GUOLONGXIN INDUSTRIAL CO. LTD
地　　址 深圳市宝安区沙井街道帝堂路 128-1 号
Address NO.128-1, DITANG ROAD, SHAJING STREET, BAOAN DISTRICT, SHENZHEN

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	镀镍
Sample Name	nickel plating
样品接收日期	2026.02.06
Sample Received Date	Feb. 6, 2026
样品检测日期	2026.02.06-2026.02.12
Testing Period	Feb. 6, 2026 to Feb. 12, 2026

检测要求/检测依据/检测结果 请参见下页。
Test Requested/Test Method/Test Result(s) Please refer to the following page(s).

摘要	根据分析结果，所提交样品中 SVHC 浓度≤ 0.1% (w/w)。	**通过**
Summary	According to the analytical results, concentrations of SVHC are ≤ 0.1% (w/w) in the submitted sample(s).	**PASS**

批　　准 郑晴涛　　日　　期 2026.02.12
Approved by　　Date

郑晴涛
技术经理 Technical Manager

No. R393381259

华测检测认证集团股份有限公司　　广东省深圳市宝安区新安街道兴东社区华测检测大楼
Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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检测要求	1.根据客户要求，参照法规(EC) No 1907/2006(REACH)，对所提交样品中 253 种高关注物质(SVHC)进行筛选测试。 2.根据客户要求，对由欧盟成员国向欧盟化学管理局(ECHA)所提交的 1 种于 2021 年 6 月 1 日公布意向成为法规(EC) No 1907/2006(REACH)中高关注度物质(SVHC)的候选物质进行筛选测试。
Test Requested	1.As specified by client, to screen the 253 substances of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s). 2.As specified by client, to screen the 1 substance published on June 1st 2021 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation (EC) No1907/2006 of REACH in the submitted sample(s).

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检测结果1 Test Result(s) 1

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	浓度 Concentration (%)	RL (%)
				001	
-	-	所有 SVHC 物质（见候选清单） All tested SVHC (See the candidate list)	-	N.D.	-

检测结果 2 Test Result(s) 2

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	浓度 Concentration (%)	RL (%)
				001	
-	-	所有意向 SVHC 物质（见意向 SVHC 物质清单） All tested intention for identification of SVHC (See the list of intention for identification of SVHC)	-	N.D.	-

检测依据 Test Method:

参考 US EPA 3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016,内部方法进行样品预处理。

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016, In house method for sample pretreatment.

采用 ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, LC-QTOF, HPLC-DAD 及 LC-MS-MS 分析。

Analyzed by ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, LC-QTOF, HPLC-DAD and LC-MS-MS.

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	001	有银色镀层的金属 Metal with silvery plating

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备注 Remark:

1. 结果仅显示检出的 SVHC，低于 RL 的 SVHC 没有列出。所有测试的 SVHC 见下页的 SVHC/意向 SVHC 清单。The table of tested result(s) only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the List of SVHC/intention for identification of SVHC on next pages.
2. w/w % = 重量百分比 weight by weight; 0.1% = 1000mg/kg = 1000ppm
3. N.D. = 未检出 Not Detected (< RL)
4. RL = 报告检出限 Report Limit (当浓度值≥RL 时显示数据。RL 不同于法规限值。Concentration value will be shown if it ≥ RL. RL is not regulatory limit.)
5. ※ = 意向 SVHC (Intention for identification of SVHC)
6. *:该物质的浓度值是由物质中的特征元素测试结果换算而来。Concentration value of the substance by the conversion from the test results of certain elements.
   三丁基氧化锡(TBTO)、二丁基二氯化锡(DBTC)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE) 和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料、双(乙酰丙酮酸)二丁基锡、[二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数]的浓度值是由其特定化合物(三丁基锡(TBT)、二丁基锡(DBT)、二辛基锡(DOT)、单辛基锡(MOT))的结果换算而来。Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE), Dibutylbis(pentane-2,4-dionato-O,O')tin, [Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety] by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
7. **:在化学物质及其混合物的分类，标记与包装法规，即 CLP 法规(法规(EC)No 1272/2008)的附录 VI 中，索引号 650-017-00-8 适用于所有的耐火陶瓷纤维材料。All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation(Regulation (EC) No 1272/2008).
8. ***:C.I.:颜料索引号 Colour Index
9. ****:蒸馏所分离出来的轻油部分 Light fractions from distillation
10. *****:四硼酸钠，无水和四硼酸钠，水合物的浓度均由四硼酸钠浓度表示，没有考虑结晶水。过硼酸钠，水合物；过硼酸钠盐和过硼酸钠，无水的浓度均由过硼酸钠浓度表示，没有考虑结晶水。Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.

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11. ▲: 甲醛与苯胺的低聚物的浓度值是由其特定化合物(2,4-二氨基二苯甲烷、4,4'-二氨基二苯基甲烷、2,2-二氨基二苯甲烷)的结果换算而来。Concentration value of Formaldehyde, oligomeric reaction products with aniline by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4'- Diaminodiphenylmethane, 2,2-Diaminodiphenylmethane).
12. ①: 由于这些物质是 UVCB 物质(未知成分或可变成分的，复杂反应物或生物材料的物质)，由各种不同的成分组成，所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。当其测试结果≥0.1% w/w 时，对于该物质是否存在于样品中需核查相应物料的 SDS 或向供应商进行确认。In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking SDS or requesting from suppliers.
13. ②:由于此物质含有多种物质，测试结果是基于此物质中最具有代表性的主要组成化合物的含量，其主要组成化合物的测试结果是基于特征元素的浓度换算而来。In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.

注释 Note:

本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

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SVHC 候选清单 Candidate List of SVHC

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
I	1	蒽 Anthracene	120-12-7	0.05
I	2	4,4'-二氨基二苯基甲烷 4,4'- Diaminodiphenylmethane	101-77-9	0.05
I	3	邻苯二甲酸二丁酯 Dibutyl phthalate (DBP)	84-74-2	0.05
I	4	二氯化钴 Cobalt dichloride*	7646-79-9	0.01
I	5	五氧化二砷 Diarsenic pentaoxide*	1303-28-2	0.01
I	6	三氧化二砷 Diarsenic trioxide*	1327-53-3	0.01
I	7	重铬酸钠 Sodium dichromate*	7789-12-0 10588-01-9	0.01
I	8	二甲苯麝香 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	0.05
I	9	邻苯二甲酸二(2-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	0.05
I	10	六溴环十二烷 Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.05
I	11	短链氯化石蜡 Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	0.05
I	12	三丁基氧化锡 Bis(tributyltin) oxide (TBTO)*	56-35-9	0.05
I	13	砷酸氢铅 Lead hydrogen arsenate*	7784-40-9	0.01
I	14	邻苯二甲酸丁基苄酯 Benzyl butyl phthalate(BBP)	85-68-7	0.05
I	15	三乙基砷酸酯 Triethyl arsenate*	15606-95-8	0.01
II	16	①蒽油 Anthracene oil	90640-80-5	0.05
II	17	①蒽油,蒽糊,轻油 Anthracene oil, anthracene paste, distn. lights****	91995-17-4	0.05
II	18	①蒽油,蒽糊,蒽馏分 Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	0.05
II	19	①蒽油,含蒽量少 Anthracene oil, anthracene-low	90640-82-7	0.05
II	20	①蒽油,蒽糊 Anthracene oil, anthracene paste	90640-81-6	0.05
II	21	①煤焦油沥青,高温 Pitch, coal tar, high-temp.	65996-93-2	0.05
II	22	丙烯酰胺 Acrylamide	79-06-1	0.05
II	23	2,4-二硝基甲苯 2,4-dinitrotoluene	121-14-2	0.05
II	24	邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	84-69-5	0.05
II	25	②铬酸铅 Lead chromate	7758-97-6	0.01
II	26	②钼铬红(C.I.颜料红 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	0.01
II	27	②铅铬黄(C.I.颜料黄 34) Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	0.01
II	28	磷酸三(2-氯乙基)酯 Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	0.05
III	29	三氯乙烯 Trichloroethylene	79-01-6	0.05
III	30	硼酸 Boric acid*	10043-35-3 11113-50-1	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
III	31	②四硼酸钠，无水 Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	0.01
III	32	②四硼酸钠，水合物 Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	0.01
III	33	铬酸钠 Sodium chromate*	7775-11-3	0.01
III	34	铬酸钾 Potassium chromate*	7789-00-6	0.01
III	35	重铬酸铵 Ammonium dichromate*	7789-09-5	0.01
III	36	重铬酸钾 Potassium dichromate*	7778-50-9	0.01
IV	37	硫酸钴 Cobalt(Ⅱ) sulphate*	10124-43-3	0.01
IV	38	硝酸钴 Cobalt(Ⅱ) dinitrate*	10141-05-6	0.01
IV	39	碳酸钴 Cobalt(Ⅱ) carbonate*	513-79-1	0.01
IV	40	醋酸钴 Cobalt(Ⅱ) diacetate*	71-48-7	0.01
IV	41	乙二醇单甲醚 2-methoxyethanol	109-86-4	0.05
IV	42	乙二醇单乙醚 2-ethoxyethanol	110-80-5	0.05
IV	43	三氧化铬Chromium trioxide*	1333-82-0	0.01
IV	44	①铬酸及其低聚物、重铬酸及其低聚物 Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.01
V	45	乙二醇乙醚乙酸酯 2-ethoxyethyl acetate	111-15-9	0.05
V	46	铬酸锶 Strontium chromate*	7789-06-2	0.01
V	47	①1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.05
V	48	肼 Hydrazine	7803-57-8 302-01-2	0.05
V	49	N-甲基吡咯烷酮 1-methyl-2-pyrrolidone (NMP)	872-50-4	0.05
V	50	1，2，3-三氯丙烷 1,2,3-trichloropropane	96-18-4	0.05
V	51	①邻苯二甲酸二C6-8支链烷基酯(C7富集) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.05
VI	52	铬酸铬 Dichromium tris(chromate)*	24613-89-6	0.01
VI	53	氢氧化铬酸锌钾 Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.01
VI	54	氢氧化铬酸锌 Pentazinc chromate octahydroxide*	49663-84-5	0.01
VI	55	②硅酸铝耐火陶瓷纤维 Aluminosilicate Refractory Ceramic Fibres (RCF)**	-	0.01
VI	56	②氧化锆硅酸铝耐火陶瓷纤维 Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	0.01
VI	57	①甲醛与苯胺的低聚物 Formaldehyde, oligomeric reaction products with aniline▲	25214-70-4	0.05
VI	58	邻苯二甲酸二甲氧基乙酯 Bis(2-methoxyethyl) phthalate	117-82-8	0.05
VI	59	2-甲氧基苯胺(邻甲氧基苯胺) 2-Methoxyaniline (o-Anisidine)	90-04-0	0.05
VI	60	4-(1,1,3,3-四甲基丁基)苯酚 (别名：对特辛基苯酚) 4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.05
VI	61	1,2-二氯乙烷 1,2-dichloroethane	107-06-2	0.05
VI	62	双(2-甲氧基乙基)醚(别名：二乙二醇二甲醚) Bis(2-methoxyethyl) ether	111-96-6	0.05
VI	63	砷酸 Arsenic acid*	7778-39-4	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
VI	64	砷酸钙 Calcium arsenate*	7778-44-1	0.01
VI	65	砷酸铅 Trilead diarsenate*	3687-31-8	0.01
VI	66	N,N-二甲基乙酰胺 N,N-dimethylacetamide (DMAC)	127-19-5	0.05
VI	67	4,4'-亚甲基双(2-氯苯胺) 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.05
VI	68	酚酞 Phenolphthalein	77-09-8	0.05
VI	69	叠氮化铅 Lead diazide, Lead azide*	13424-46-9	0.01
VI	70	2,4,6-三硝基间苯二酚铅(别名：收敛酸铅) Lead styphnate*	15245-44-0	0.01
VI	71	苦味酸铅 Lead dipicrate*	6477-64-1	0.01
VII	72	1,2-二(2-甲氧基乙氧基)乙烷 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	0.05
VII	73	乙二醇二甲醚 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.05
VII	74	三氧化二硼 Diboron trioxide*	1303-86-2	0.01
VII	75	甲酰胺 Formamide	75-12-7	0.05
VII	76	甲基磺酸铅 Lead(II) bis(methanesulfonate)*	17570-76-2	0.01
VII	77	异氰尿酸三缩水甘油脂 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.05
VII	78	异氰脲酸 β-三缩水甘油酯 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.05
VII	79	4,4'-二(N,N-二甲氨基)二苯甲酮(米氏酮) 4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	0.05
VII	80	4,4'-(对二甲氨基)二苯基甲烷(米氏碱) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.05
VII	81	C.I.碱性紫 3 [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)***	548-62-9	0.05
VII	82	C.I.碱性蓝 26 [4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)***	2580-56-5	0.05
VII	83	C.I.溶剂蓝 4 α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	0.05
VII	84	α, α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇 4,4'-bis(dimethylamino)- 4"-(methylamino)trityl alcohol	561-41-1	0.05
VIII	85	十溴二苯醚 Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	0.05
VIII	86	①4-壬基酚，分支或线性的壬基酚，包括含有 9 个碳烷基链的所有独立的同分异构体和所有含有线性或分支 9 个碳烷基链的 UVCB 物质 4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	0.05

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VIII	87	偶氮二甲酰胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA)	123-77-3	0.05
VIII	88	对特辛基苯酚乙氧基醚 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	0.05
VIII	89	全氟十一烷酸 Henicosafluoroundecanoic acid	2058-94-8	0.05
VIII	90	全氟十三酸 Pentacosafluorotridecanoic acid	72629-94-8	0.05
VIII	91	六氢邻苯二甲酸酐, 顺式-六氢邻苯二甲酸酐, 反式-六氢邻苯二甲酸酐 Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	0.05
VIII	92	甲基六氢苯酐, 4-甲基六氢苯酐, 1-甲基六氢化邻苯二甲酸酐, 3-甲基六氢苯二甲酯酐 Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.05
VIII	93	全氟十四酸 Heptacosafluorotetradecanoic acid	376-06-7	0.05
VIII	94	邻苯二甲酸二异戊酯 Diisopentyl phthalate (DIPP)	605-50-5	0.05
VIII	95	①支链和直链 1,2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.05
VIII	96	邻苯二甲酸正戊基异戊基酯 n-pentyl-isopentylphthalate	776297-69-9	0.05
VIII	97	甲氧基乙酸 Methoxyacetic acid	625-45-6	0.05
VIII	98	全氟十二烷酸 Tricosafluorododecanoic acid	307-55-1	0.05
VIII	99	乙二醇二乙醚 1,2-diethoxyethane	629-14-1	0.05
VIII	100	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷 3-ethyl-2-methyl-2- (3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.05
VIII	101	2,4-二氨基甲苯 4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.05
VIII	102	N-甲基乙酰胺 N-methylacetamide	79-16-3	0.05
VIII	103	氧化铅与硫酸铅的复合物 Pentalead tetraoxide sulphate*	12065-90-6	0.01
VIII	104	4-氨基联苯 Biphenyl-4-ylamine	92-67-1	0.05
VIII	105	地乐酚 Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.05
VIII	106	双(十八酸基)二氧代三铅 Dioxobis(stearato)trilead*	12578-12-0	0.01
VIII	107	硝酸铅 Lead dinitrate*	10099-74-8	0.01
VIII	108	三碱式硫酸铅 Tetralead trioxide sulphate*	12202-17-4	0.01
VIII	109	氧化铅 Lead monoxide (lead oxide)*	1317-36-8	0.01
VIII	110	钛酸铅 Lead titanium trioxide*	12060-00-3	0.01
VIII	111	4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-methylenedi-o-toluidine	838-88-0	0.05
VIII	112	碱式乙酸铅 Acetic acid, lead salt, basic*	51404-69-4	0.01
VIII	113	硫酸二甲酯 Dimethyl sulphate	77-78-1	0.05
VIII	114	呋喃 Furan	110-00-9	0.05

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VIII	115	颜料黄 41 Pyrochlore, antimony lead yellow*	8012-00-8	0.01
VIII	116	四乙基铅 Tetraethyllead*	78-00-2	0.01
VIII	117	二盐基邻苯二甲酸铅[Phthalato(2-)]dioxotrilead*	69011-06-9	0.01
VIII	118	硫酸二乙酯 Diethyl sulphate	64-67-5	0.05
VIII	119	氨基氰铅盐 Lead cyanamidate*	20837-86-9	0.01
VIII	120	掺杂铅的硅酸钡 Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	0.01
VIII	121	磷酸氧化铅 Trilead dioxide phosphonate*	12141-20-7	0.01
VIII	122	邻甲基苯胺 *o*-Toluidine	95-53-4	0.05
VIII	123	邻氨基偶氮甲苯 *o*-aminoazotoluene	97-56-3	0.05
VIII	124	4-对氨基偶氮苯 4-aminoazobenzene	60-09-3	0.05
VIII	125	6-甲氧基-间甲苯胺 6-methoxy-*m*-toluidine (*p*-cresidine)	120-71-8	0.05
VIII	126	二丁基二氯化锡 Dibutyltin dichloride (DBTC)*	683-18-1	0.05
VIII	127	钛酸铅锆 Lead titanium zirconium oxide*	12626-81-2	0.01
VIII	128	环氧丙烷 Methyloxirane (Propylene oxide)	75-56-9	0.05
VIII	129	1-溴代正丙烷 1-bromopropane (n-propyl bromide)	106-94-5	0.05
VIII	130	碱式碳酸铅 Trilead bis(carbonate) dihydroxide*	1319-46-6	0.01
VIII	131	C16-18-脂肪酸铅盐 Fatty acids, C16-18, lead salts*	91031-62-8	0.01
VIII	132	四氧化三铅 Orange lead (lead tetroxide)*	1314-41-6	0.01
VIII	133	二碱式亚硫酸铅(II) Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
VIII	134	4,4'-二氨基二苯醚及其盐 4,4'-oxydianiline and its salts	101-80-4	0.05
VIII	135	碱式硫酸铅 Lead oxide sulfate*	12036-76-9	0.01
VIII	136	四氟硼酸铅 Lead bis(tetrafluoroborate)*	13814-96-5	0.01
VIII	137	硅酸铅 Silicic acid, lead salt*	11120-22-2	0.01
VIII	138	N,N-二甲基甲酰胺 N,N-dimethylformamide	68-12-2	0.05
IX	139	镉 Cadmium	7440-43-9	0.01
IX	140	氧化镉 Cadmium oxide*	1306-19-0	0.01
IX	141	邻苯二甲酸二戊酯 Dipentyl phthalate (DPP)	131-18-0	0.05
IX	142	①乙氧基化的支链和直链的 4-壬基酚（直链和/或支链的具有 9 个碳原子的烷基链共价键合在 4 位的乙氧基酚，囊括了 UVCB 和定义明确的物质，聚合物及同系物，其中包括任何单独的异构体和/或它们的组合）4-Nonylphenol, branched and linear, ethoxylated *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]*	-	0.05
IX	143	全氟辛酸铵 Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.05
IX	144	全氟辛烷酸 Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.05
X	145	①磷酸三(二甲苯)酯 Trixylyl phosphate	25155-23-1	0.05
X	146	C.I.直接黑 38 Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo) naphthalene-2,7-disulphonate (C.I. Direct Black 38)***	1937-37-7	0.05

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X	147	邻苯二甲酸二己酯 Dihexyl phthalate	84-75-3	0.05
X	148	硫化镉 Cadmium sulphide*	1306-23-6	0.01
X	149	C.I.直接红 28 Disodium 3,3'-[[1,1'-biphenyl]- 4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	0.05
X	150	醋酸铅(Ⅱ) Lead di(acetate)*	301-04-2	0.01
X	151	1,2-亚乙基硫脲 Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.05
XI	152	①邻苯二甲酸二己酯，直链和支链 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.05
XI	153	氯化镉 Cadmium chloride*	10108-64-2	0.01
XI	154	②过硼酸钠，水合物；过硼酸钠盐 Sodium perborate; perboric acid, sodium salt*****	15120-21-5 11138-47-9	0.01
XI	155	②过硼酸钠，无水 Sodium peroxometaborate*****	7632-04-4	0.01
XII	156	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 2-(2H-Benzotriazol-2-yl)- 4,6-ditertpentylphenol (UV-328)	25973-55-1	0.05
XII	157	2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑 2-Benzotriazol-2-yl-4,6- di-tert-butylphenol (UV-320)	3846-71-7	0.05
XII	158	二正辛基-双(巯乙酸2-乙基己酯)锡 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*	15571-58-1	0.05
XII	159	氟化镉 Cadmium fluoride*	7790-79-6	0.01
XII	160	硫酸镉 Cadmium sulphate*	10124-36-4 31119-53-6	0.01
XII	161	①二正辛基-双(巯乙酸2-乙基己酯)锡(DOTE)和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料 Reaction mass of 2-ethylhexyl 10-ethyl-4,4- dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4- [[2-[(2-ethylhexyl)oxy]-2-oxoethyl] thio]-4-octyl-7- oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)*	-	0.05
XIII	162	①1,2-苯二羧酸, 二-C6-10-烷基酯；（葵基，己基，辛基）酯与1,2-苯二甲酸的复合物，其邻苯二甲酸二己酯含量≥0.3% (EC No. 201-559-5) 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5 68648-93-1	0.05
XIII	163	①5-仲丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1]，5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]（卡拉花醛及其异构体以及它们的混合物） 5-sec-butyl-2-(2,4- dimethylcyclohex-3-en- 1-yl)-5- methyl-1,3-dioxane [1], 5-sec- butyl- 2-(4,6-dimethylcyclohex-3-en-1-yl)- 5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	0.05
XIV	164	硝基苯 Nitrobenzene	98-95-3	0.05

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XIV	165	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚 2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.05
XIV	166	2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 2-(2H-benzotriazol-2-yl)- 4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.05
XIV	167	1,3-丙烷磺内酯 1,3-propanesultone	1120-71-4	0.05
XIV	168	全氟壬酸及其钠和铵盐 Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.05
XV	169	苯并(a)芘 Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.05
XVI	170	双酚 A 4,4'-isopropylidenediphenol (bisphenol A) (BPA)	80-05-7	0.05
XVI	171	全氟癸酸(PFDA)及其钠盐和铵盐 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	0.05
XVI	172	4-(1,1-二甲基丙基)苯酚 (别名：对叔戊基苯酚) *p*-(1,1-dimethylpropyl)phenol	80-46-6	0.05
XVI	173	[①]支链与直链的 4-庚基酚(直链和/或支链的具有 7 个碳原子的烷基链共价键在 4 位的苯酚，囊括了 UVCB 和定义明确的物质，其中包括任何单独异构体和/或它们的组合) 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.05
XVII	174	全氟己基磺酸及其盐 Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	0.05
XVIII	175	得克隆(包括其所有反式和顺式异构体及其组合) Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	0.05
XVIII	176	苯并[a]蒽Benzo[a]anthracene	56-55-3	0.05
XVIII	177	硝酸镉Cadmium nitrate*	10325-94-7	0.01
XVIII	178	碳酸镉Cadmium carbonate*	513-78-0	0.01
XVIII	179	氢氧化镉Cadmium hydroxide*	21041-95-2	0.01
XVIII	180	䓛Chrysene	218-01-9	0.05
XVIII	181	[①]1,3,4-噻二唑烷-2,5-二硫酮，甲醛和4-庚基苯酚的支链和直链(RP-HP)的反应产物[4-庚基苯酚，支链和直链含量≥0.1% w/w] Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]	-	0.05
XIX	182	八甲基环四硅氧烷 Octamethylcyclotetrasiloxane (D4)	556-67-2	0.05
XIX	183	十甲基环五硅氧烷Decamethylcyclopentasiloxane (D5)	541-02-6	0.05
XIX	184	十二甲基环六硅氧烷 Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.05
XIX	185	铅 Lead	7439-92-1	0.01
XIX	186	八硼酸二钠 Disodium octaborate*	12008-41-2	0.01
XIX	187	苯并(g,h,i)苝 Benzo[ghi]perylene	191-24-2	0.05
XIX	188	[①]氢化三联苯 Terphenyl, hydrogenated	61788-32-7	0.05
XIX	189	乙二胺 Ethylenediamine (EDA)	107-15-3	0.05

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XIX	190	偏苯三酸酐 Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.05
XIX	191	邻苯二甲酸二环己酯Dicyclohexyl phthalate (DCHP)	84-61-7	0.05
XX	192	4,4'-(1,3-二甲基丁基)二苯酚 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.05
XX	193	苯并[k]荧蒽 Benzo[k]fluoranthene	207-08-9	0.05
XX	194	荧蒽 Fluoranthene	206-44-0	0.05
XX	195	菲 Phenanthrene	85-01-8	0.05
XX	196	芘 Pyrene	129-00-0	0.05
XX	197	1,7,7-三甲基-3-(苯亚甲基)双环[2,2,1]庚-2-酮 1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	0.05
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(HFPO-DA) 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.05
XXI	199	甲二醇乙醚乙酸酯2-methoxyethyl acetate	110-49-6	0.05
XXI	200	4-叔丁基苯酚4-tert-butylphenol	98-54-4	0.05
XXI	201	①三(4-壬基苯基，支链和直链)亚磷酸酯 Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.05
XXII	202	2-苄基-2-二甲基氨基-1-(4-吗啉苯基)丁酮 2-benzyl-2-dimethylamino-4'- morpholinobutyrophenone	119313-12-1	0.05
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one	71868-10-5	0.05
XXII	204	邻苯二甲酸二异己酯 Diisohexyl phthalate	71850-09-4	0.05
XXII	205	全氟丁烷磺酸(PFBS)及其盐 Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.05
XXIII	206	1-乙烯基咪唑 1-vinylimidazole	1072-63-5	0.05
XXIII	207	2-甲基咪唑 2-methylimidazole	693-98-1	0.05
XXIII	208	对羟基苯甲酸丁酯 Butyl 4-hydroxybenzoate	94-26-8	0.05
XXIII	209	双(乙酰丙酮酸)二丁基锡 Dibutylbis(pentane-2,4-dionato-O,O')tin*	22673-19-4	0.05
XXIV	210	四乙二醇二甲醚 bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.05
XXIV	211	二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数 Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety*	-	0.05
XXV	212	1,4-二恶烷 1,4-dioxane	123-91-1	0.05

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
XXV	213	2,2-双(溴甲基) -1,3-丙二醇 三溴新戊醇/3-溴-2,2-二溴乙基丙醇 2,3-二溴丙醇 2,2-bis(bromomethyl) propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	0.05
XXV	214	2-(4-叔丁基苄基)丙醛及其立体异构体 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.05
XXV	215	2,2-二(4-羟基苯基)丁烷(双酚 B) 4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	0.05
XXV	216	戊二醛 Glutaral	111-30-8	0.05
XXV	217	①中链氯化石蜡(UVCB 物质，由≥80%的直链氯代烷烃组成，碳链长度在 C14 到 C17 之间) Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.05
XXV	218	硼酸钠盐 Orthoboric acid, sodium salt*	13840-56-7	0.01
XXV	219	①烷基酚，碳链(C12 为主，直链或支链)主要在对位，包括其任何单个异构体或组合 Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.05
XXVI	220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]双环[2.2.1]庚-2-酮，包括任何单独的异构体和/或其组合 (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1] heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.05
XXVI	221	2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚) 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	0.05
XXVI	222	S-(三环[5.2.1.$0^{2,6}$]癸-3-烯-8(或 9)-基)O-(异丙基或异丁基或 2-乙基己基)O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯 S-(tricyclo[5.2.1.$0^{2,6}$]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.05
XXVI	223	乙烯基-三(2-甲氧基乙氧基)硅烷 tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.05
XXVII	224	N-羟甲基丙烯酰胺 N-(hydroxymethyl)acrylamide	924-42-5	0.05
XXVIII	225	1,2-二(2,4,6-三溴苯氧基)乙烷 1,1'-[ethane-1,2-diylbisoxy]bis [2,4,6-tribromobenzene]	37853-59-1	0.05
XXVIII	226	四溴双酚 A 2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol (TBBPA)	79-94-7	0.05
XXVIII	227	双酚 S 4,4'-sulphonyldiphenol (BPS)	80-09-1	0.05
XXVIII	228	偏硼酸钡 Barium diboron tetraoxide*	13701-59-2	0.01
XXVIII	229	3,4,5,6-四溴-1,2-苯二羧酸双(2-乙基己基)酯，包括任何单独的异构体和/或其组合 Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.05

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
XXVIII	230	4-羟基苯甲酸 2-甲基丙酯 Isobutyl 4-hydroxybenzoate	4247-02-3	0.05
XXVIII	231	三聚氰胺 Melamine	108-78-1	0.05
XXVIII	232	全氟庚酸及其盐 Perfluoroheptanoic acid and its salts	-	0.05
XXVIII	233	2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)吗啉和 2,2,3,3,5,5,6,6-八氟烷-4-(七氟丙基)吗啉的反应物料 Reaction mass of 2,2,3,3,5,5,6,6-octafluoro- 4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	0.05
XXIX	234	二苯基(2,4,6-三甲基苯甲酰基)氧化膦 Diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide	75980-60-8	0.05
XXIX	235	4,4'-二氯二苯砜 Bis(4-chlorophenyl) sulphone	80-07-9	0.05
XXX	236	2,4,6-三叔丁基苯酚 2,4,6-tri-tert-butylphenol (2,4,6-TTBP)	732-26-3	0.05
XXX	237	2-[2-羟基-5-(1,1,3,3-四甲丁基)苯基]苯并三唑 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.05
XXX	238	2-(4-甲基苄基)-2-(二甲基氨基)-1-(4-吗啉苯基)-1-丁酮 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4- yl)phenyl]butan-1-one	119344-86-4	0.05
XXX	239	2-(5-氯-2H-苯三唑-2-基)-6-(1,1-二甲基乙基)-4-甲基苯酚 Bumetrizole (UV-326)	3896-11-5	0.05
XXX	240	①2-苯基丙烯与苯酚的低聚和烷基化反应产物 Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.05
XXXI	241	过氧化二异丙苯 Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.05
XXXI	242	磷酸三苯酯 Triphenyl phosphate	115-86-6	0.05
XXXII	243	6-[(C10-C13)-烷基-(支链，不饱和)-2,5-二氧吡咯烷-1-基]己酸 6- [(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1- yl]hexanoic acid	2156592-54-8	0.05
XXXII	244	硫代磷酸(O,O,O-三苯基)酯 O,O,O-triphenyl phosphorothioate	597-82-0	0.05
XXXII	245	八甲基三硅氧烷 Octamethyltrisiloxane	107-51-7	0.05
XXXII	246	全氟三丙胺 Perfluamine	338-83-0	0.05
XXXII	247	三苯基硫代磷酸与叔丁基苯衍生物的反应物料 Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.05
XXXIII	248	1,1,1,3,5,5,5-七甲基-3-[(三甲基甲硅烷基)氧基]三硅氧烷 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.05
XXXIII	249	十甲基四硅氧烷 Decamethyltetrasiloxane	141-62-8	0.05
XXXIII	250	活性棕 51 Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4- chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}- 1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl] amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl} diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.05
XXXIV	251	1,1'-(1,2-亚乙基)双[五溴苯](十溴二苯乙烷） 1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]	84852-53-9	0.05
XXXV	252	正己烷 N-hexane	110-54-3	0.05

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
XXXV	253	4,4-[2,2,2-三氟-1-(三氟甲基)亚乙基]双酚及其盐 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts	-	0.05

意向 SVHC 物质清单 List of intention for identification of SVHC

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
※	1	间苯二酚 Resorcinol	108-46-3	0.05

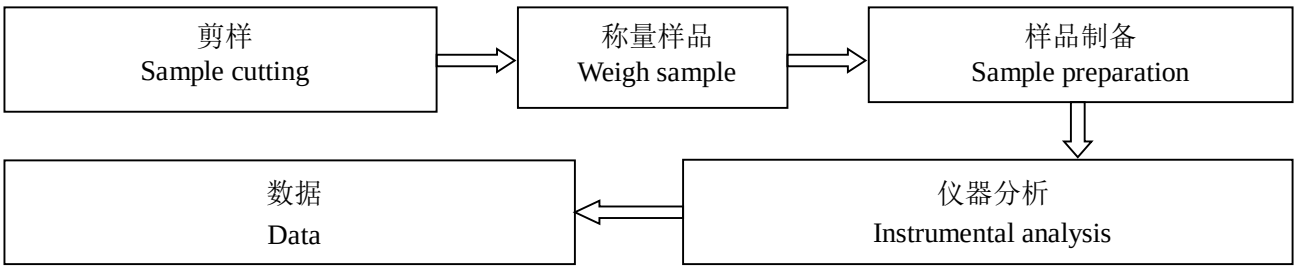
REACH 法规义务 REACH Regulation obligation:

1. 根据欧盟 REACH 法规（编号 1907/2006）第 7（2）条款之规定物品类产品如果含有候选列表上的高度关注物质且满足如下两个条件，物品的供应方需根据第 7（4）条款的规定向欧洲化学品管理局进行通报：
   (a) 物品中该高度关注物质制造或进口到欧盟的总量超过 1 吨/每年/每制造商或进口商;
   (b) 高度关注物质在物品中的含量超过 0.1% (w/w)。
   In accordance with Article 7(2) of the EU REACH Regulation (No. 1907/2006), any producer or importer of articles shall notify the European Chemicals Agency as stipulated in Article 7(4), if an article contains a substance from the Candidate List of Substances of Very High Concern (SVHCs) and both the following conditions are met:
   (a) the substance is present in those articles in quantities totalling over one tonne per producer or importer per year;
   (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
2. 根据欧盟 REACH 法规（编号 1907/2006）第 33 条款之规定，物品类产品如果含有候选列表上的高度关注物质且在物品中的含量超过 0.1% (w/w)时，物品供应方需履行相关信息传递义务:
   Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of EU REACH Regulation (No. 1907/2006).
   1) 物品供应方应提供给接收方关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
   2) 应消费者请求，物品供应方应在 45 天内免费提供关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
3. 根据欧盟 REACH 法规（编号 1907/2006）第 31 条款及附件 II 之规定，提供物质及混合物的供应方应向接收方免费提供安全数据表(SDS)。
   1) 根据欧盟 CLP 法规（编号 1272/2008）被分类为有害的物质或混合物；
   2) 根据 REACH 法规附件 XIII 被归为 PBT 或 vPvB 的物质；
   3) 根据 REACH 法规第 59（1）条款被纳入高度关注物质列表上的物质；
   4）根据 CLP 法规（编号 1272/2008）未被分类为有害的混合物，但包括：
   (a) 至少一种对人类健康或环境有害的物质，在非气体混合物中包含单个浓度≥1%(w/w)或在气体混合物中包含单个浓度≥0.2%(v/v)；
   (b) 至少一种属于高度关注物质，在非气体混合物中包括单个浓度≥0.1% (w/w)；
   (c) 超出欧盟工作场所暴露极限的物质。
   In accordance with Article 31 of the EU REACH Regulation (No. 1907/2006), the supplier of a substance or a mixture shall provide the recipient of the substance or mixture with a safety data sheet (SDS) for free compiled in accordance with Annex II of REACH.
   1) where a substance or mixture meets the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008; or
   2) where a substance is persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII; or
   3) where a substance is included in the list established in accordance with Article 59(1) for reasons other than those referred to in points (a) and (b);
   4) the supplier shall provide the recipient at his request with a safety data sheet (SDS) compiled in accordance with Annex II, where a mixture does not meet the criteria for classification as hazardous in accordance with Titles I and II of Regulation (EC) No 1272/2008, but contains:

(a) in an individual concentration of ≥ 1 % by weight for non-gaseous mixtures and ≥ 0.2 % by volume for gaseous mixtures at least one substance posing human health or environmental hazards; or
(b) in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures at least one substance that has been included in the Candidate List of Substances of Very High Concern (SVHCs); or
(c) a substance for which there are Community workplace exposure limits.

4. 自 2021 年 1 月 5 日，投放欧盟市场的含有高度关注物质 (SVHCs)含量超过 0.1 % (w/w)的物品公司，需依据废弃物框架指令（编号 2008/98）向欧洲化学品管理局提交相关信息到 SCIP 数据库。
Companies supplying articles containing Substances of Very High Concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market have to submit information on these articles to ECHA in accordance with Waste Framework Directive (WFD) (No 2008/98, as from 5 January 2021.

检测流程 Test Process



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样品图片

Photo(s) of the sample(s)



声明 Statement：

1. 本报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明，报告参照 ILAC-G8:09/2019 / CNAS-GL015:2022 使用简单接受（w=0）二元判定规则进行符合性判定；
   Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. 未经 CTI 书面同意，不得部分复制本报告；
   Without written approval of CTI, this report can’t be reproduced except in full;
6. 如报告中的英文内容与中文内容有差异，以中文为准。
   In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
*** End of Report ***

附录 Appendix

客户参考图片（非测试样品）Client Reference Photo (Non-tested sample)



声明 Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性。
   The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. 附录内容为 A2260110518102001E 报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2260110518102001E.

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报告编号 A2260110518102002E　　第 1 页 共 19 页
Report No. A2260110518102002E　　Page 1 of 19

报告抬头公司名称 深圳市国龙鑫实业有限公司
Company Name shown on Report SHENZHEN GUOLONGXIN INDUSTRIAL CO. LTD
地　　址 深圳市宝安区沙井街道帝堂路 128-1 号
Address NO.128-1, DITANG ROAD, SHAJING STREET, BAOAN DISTRICT, SHENZHEN

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	镀铜
Sample Name	copper plating
样品接收日期	2026.02.06
Sample Received Date	Feb. 6, 2026
样品检测日期	2026.02.06-2026.02.12
Testing Period	Feb. 6, 2026 to Feb. 12, 2026

检测要求/检测依据/检测结果 请参见下页。
Test Requested/Test Method/Test Result(s) Please refer to the following page(s).

摘要	根据分析结果，所提交样品中 SVHC 浓度≤ 0.1% (w/w)。	**通过**
Summary	According to the analytical results, concentrations of SVHC are ≤ 0.1% (w/w) in the submitted sample(s).	**PASS**

批　　准 郑晴涛　　日　　期 2026.02.12
Approved by　　Date

郑晴涛
技术经理 Technical Manager

No. R393381259

华测检测认证集团股份有限公司　　广东省深圳市宝安区新安街道兴东社区华测检测大楼
Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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检测要求	1.根据客户要求，参照法规(EC) No 1907/2006(REACH)，对所提交样品中 253 种高关注物质(SVHC)进行筛选测试。 2.根据客户要求，对由欧盟成员国向欧盟化学管理局(ECHA)所提交的 1 种于 2021 年 6 月 1 日公布意向成为法规(EC) No 1907/2006(REACH)中高关注度物质(SVHC)的候选物质进行筛选测试。
Test Requested	1.As specified by client, to screen the 253 substances of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s). 2.As specified by client, to screen the 1 substance published on June 1st 2021 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation (EC) No1907/2006 of REACH in the submitted sample(s).

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检测结果1 Test Result(s) 1

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	浓度 Concentration (%)	RL (%)
				002	
-	-	所有 SVHC 物质（见候选清单） All tested SVHC (See the candidate list)	-	N.D.	-

检测结果 2 Test Result(s) 2

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	浓度 Concentration (%)	RL (%)
				002	
-	-	所有意向 SVHC 物质（见意向 SVHC 物质清单） All tested intention for identification of SVHC (See the list of intention for identification of SVHC)	-	N.D.	-

检测依据 Test Method:

参考 US EPA 3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016,内部方法进行样品预处理。
Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016, In house method for sample pretreatment.
采用 ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, LC-QTOF, HPLC-DAD 及 LC-MS-MS 分析。
Analyzed by ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, LC-QTOF, HPLC-DAD and LC-MS-MS.

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	002	有铜色镀层的金属 Metal with cupreous plating

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备注 Remark:

1. 结果仅显示检出的 SVHC，低于 RL 的 SVHC 没有列出。所有测试的 SVHC 见下页的 SVHC/意向 SVHC 清单。The table of tested result(s) only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the List of SVHC/intention for identification of SVHC on next pages.
2. w/w % = 重量百分比 weight by weight; 0.1% = 1000mg/kg = 1000ppm
3. N.D. = 未检出 Not Detected (< RL)
4. RL = 报告检出限 Report Limit (当浓度值≥RL 时显示数据。RL 不同于法规限值。Concentration value will be shown if it ≥ RL. RL is not regulatory limit.)
5. ※ = 意向 SVHC (Intention for identification of SVHC)
6. *:该物质的浓度值是由物质中的特征元素测试结果换算而来。Concentration value of the substance by the conversion from the test results of certain elements.
   三丁基氧化锡(TBTO)、二丁基二氯化锡(DBTC)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE) 和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料、双(乙酰丙酮酸)二丁基锡、[二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数]的浓度值是由其特定化合物(三丁基锡(TBT)、二丁基锡(DBT)、二辛基锡(DOT)、单辛基锡(MOT))的结果换算而来。Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE), Dibutylbis(pentane-2,4-dionato-O,O')tin, [Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety] by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
7. **:在化学物质及其混合物的分类，标记与包装法规，即 CLP 法规(法规(EC)No 1272/2008)的附录 VI 中，索引号 650-017-00-8 适用于所有的耐火陶瓷纤维材料。All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation(Regulation (EC) No 1272/2008).
8. ***:C.I.:颜料索引号 Colour Index
9. ****:蒸馏所分离出来的轻油部分 Light fractions from distillation
10. *****:四硼酸钠，无水和四硼酸钠，水合物的浓度均由四硼酸钠浓度表示，没有考虑结晶水。过硼酸钠，水合物；过硼酸钠盐和过硼酸钠，无水的浓度均由过硼酸钠浓度表示，没有考虑结晶水。Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.

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11. ▲: 甲醛与苯胺的低聚物的浓度值是由其特定化合物(2,4-二氨基二苯甲烷、4,4'-二氨基二苯基甲烷、2,2-二氨基二苯甲烷)的结果换算而来。Concentration value of Formaldehyde, oligomeric reaction products with aniline by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4'- Diaminodiphenylmethane, 2,2-Diaminodiphenylmethane).
12. ①: 由于这些物质是 UVCB 物质(未知成分或可变成分的，复杂反应物或生物材料的物质)，由各种不同的成分组成，所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。当其测试结果≥0.1% w/w 时，对于该物质是否存在于样品中需核查相应物料的 SDS 或向供应商进行确认。In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking SDS or requesting from suppliers.
13. ②:由于此物质含有多种物质，测试结果是基于此物质中最具有代表性的主要组成化合物的含量，其主要组成化合物的测试结果是基于特征元素的浓度换算而来。In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.

注释 Note:

本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

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SVHC 候选清单 Candidate List of SVHC

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
I	1	蒽 Anthracene	120-12-7	0.05
I	2	4,4'-二氨基二苯基甲烷 4,4'- Diaminodiphenylmethane	101-77-9	0.05
I	3	邻苯二甲酸二丁酯 Dibutyl phthalate (DBP)	84-74-2	0.05
I	4	二氯化钴 Cobalt dichloride*	7646-79-9	0.01
I	5	五氧化二砷 Diarsenic pentaoxide*	1303-28-2	0.01
I	6	三氧化二砷 Diarsenic trioxide*	1327-53-3	0.01
I	7	重铬酸钠 Sodium dichromate*	7789-12-0 10588-01-9	0.01
I	8	二甲苯麝香 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	0.05
I	9	邻苯二甲酸二(2-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	0.05
I	10	六溴环十二烷 Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.05
I	11	短链氯化石蜡 Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	0.05
I	12	三丁基氧化锡 Bis(tributyltin) oxide (TBTO)*	56-35-9	0.05
I	13	砷酸氢铅 Lead hydrogen arsenate*	7784-40-9	0.01
I	14	邻苯二甲酸丁基苄酯 Benzyl butyl phthalate(BBP)	85-68-7	0.05
I	15	三乙基砷酸酯 Triethyl arsenate*	15606-95-8	0.01
II	16	①蒽油 Anthracene oil	90640-80-5	0.05
II	17	①蒽油,蒽糊,轻油 Anthracene oil, anthracene paste, distn. lights****	91995-17-4	0.05
II	18	①蒽油,蒽糊,蒽馏分 Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	0.05
II	19	①蒽油,含蒽量少 Anthracene oil, anthracene-low	90640-82-7	0.05
II	20	①蒽油,蒽糊 Anthracene oil, anthracene paste	90640-81-6	0.05
II	21	①煤焦油沥青,高温 Pitch, coal tar, high-temp.	65996-93-2	0.05
II	22	丙烯酰胺 Acrylamide	79-06-1	0.05
II	23	2,4-二硝基甲苯 2,4-dinitrotoluene	121-14-2	0.05
II	24	邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	84-69-5	0.05
II	25	②铬酸铅 Lead chromate	7758-97-6	0.01
II	26	②钼铬红(C.I.颜料红 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	0.01
II	27	②铅铬黄(C.I.颜料黄 34) Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	0.01
II	28	磷酸三(2-氯乙基)酯 Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	0.05
III	29	三氯乙烯 Trichloroethylene	79-01-6	0.05
III	30	硼酸 Boric acid*	10043-35-3 11113-50-1	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
III	31	②四硼酸钠，无水 Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	0.01
III	32	②四硼酸钠，水合物 Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	0.01
III	33	铬酸钠 Sodium chromate*	7775-11-3	0.01
III	34	铬酸钾 Potassium chromate*	7789-00-6	0.01
III	35	重铬酸铵 Ammonium dichromate*	7789-09-5	0.01
III	36	重铬酸钾 Potassium dichromate*	7778-50-9	0.01
IV	37	硫酸钴 Cobalt(Ⅱ) sulphate*	10124-43-3	0.01
IV	38	硝酸钴 Cobalt(Ⅱ) dinitrate*	10141-05-6	0.01
IV	39	碳酸钴 Cobalt(Ⅱ) carbonate*	513-79-1	0.01
IV	40	醋酸钴 Cobalt(Ⅱ) diacetate*	71-48-7	0.01
IV	41	乙二醇单甲醚 2-methoxyethanol	109-86-4	0.05
IV	42	乙二醇单乙醚 2-ethoxyethanol	110-80-5	0.05
IV	43	三氧化铬Chromium trioxide*	1333-82-0	0.01
IV	44	①铬酸及其低聚物、重铬酸及其低聚物 Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.01
V	45	乙二醇乙醚乙酸酯 2-ethoxyethyl acetate	111-15-9	0.05
V	46	铬酸锶 Strontium chromate*	7789-06-2	0.01
V	47	①1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.05
V	48	肼 Hydrazine	7803-57-8 302-01-2	0.05
V	49	N-甲基吡咯烷酮 1-methyl-2-pyrrolidone (NMP)	872-50-4	0.05
V	50	1，2，3-三氯丙烷 1,2,3-trichloropropane	96-18-4	0.05
V	51	①邻苯二甲酸二C6-8支链烷基酯(C7富集) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.05
VI	52	铬酸铬 Dichromium tris(chromate)*	24613-89-6	0.01
VI	53	氢氧化铬酸锌钾 Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.01
VI	54	氢氧化铬酸锌 Pentazinc chromate octahydroxide*	49663-84-5	0.01
VI	55	②硅酸铝耐火陶瓷纤维 Aluminosilicate Refractory Ceramic Fibres (RCF)**	-	0.01
VI	56	②氧化锆硅酸铝耐火陶瓷纤维 Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	0.01
VI	57	①甲醛与苯胺的低聚物 Formaldehyde, oligomeric reaction products with aniline▲	25214-70-4	0.05
VI	58	邻苯二甲酸二甲氧基乙酯 Bis(2-methoxyethyl) phthalate	117-82-8	0.05
VI	59	2-甲氧基苯胺(邻甲氧基苯胺) 2-Methoxyaniline (o-Anisidine)	90-04-0	0.05
VI	60	4-(1,1,3,3-四甲基丁基)苯酚 (别名：对特辛基苯酚) 4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.05
VI	61	1,2-二氯乙烷 1,2-dichloroethane	107-06-2	0.05
VI	62	双(2-甲氧基乙基)醚(别名：二乙二醇二甲醚) Bis(2-methoxyethyl) ether	111-96-6	0.05
VI	63	砷酸 Arsenic acid*	7778-39-4	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
VI	64	砷酸钙 Calcium arsenate*	7778-44-1	0.01
VI	65	砷酸铅 Trilead diarsenate*	3687-31-8	0.01
VI	66	N,N-二甲基乙酰胺 N,N-dimethylacetamide (DMAC)	127-19-5	0.05
VI	67	4,4'-亚甲基双(2-氯苯胺) 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.05
VI	68	酚酞 Phenolphthalein	77-09-8	0.05
VI	69	叠氮化铅 Lead diazide, Lead azide*	13424-46-9	0.01
VI	70	2,4,6-三硝基间苯二酚铅(别名：收敛酸铅) Lead styphnate*	15245-44-0	0.01
VI	71	苦味酸铅 Lead dipicrate*	6477-64-1	0.01
VII	72	1,2-二(2-甲氧基乙氧基)乙烷 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	0.05
VII	73	乙二醇二甲醚 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.05
VII	74	三氧化二硼 Diboron trioxide*	1303-86-2	0.01
VII	75	甲酰胺 Formamide	75-12-7	0.05
VII	76	甲基磺酸铅 Lead(II) bis(methanesulfonate)*	17570-76-2	0.01
VII	77	异氰尿酸三缩水甘油脂 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.05
VII	78	异氰脲酸 β-三缩水甘油酯 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.05
VII	79	4,4'-二(N,N-二甲氨基)二苯甲酮(米氏酮) 4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	0.05
VII	80	4,4'-(对二甲氨基)二苯基甲烷(米氏碱) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.05
VII	81	C.I.碱性紫 3 [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)***	548-62-9	0.05
VII	82	C.I.碱性蓝 26 [4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)***	2580-56-5	0.05
VII	83	C.I.溶剂蓝 4 α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	0.05
VII	84	α, α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇 4,4'-bis(dimethylamino)- 4"-(methylamino)trityl alcohol	561-41-1	0.05
VIII	85	十溴二苯醚 Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	0.05
VIII	86	①4-壬基酚，分支或线性的壬基酚，包括含有 9 个碳烷基链的所有独立的同分异构体和所有含有线性或分支 9 个碳烷基链的 UVCB 物质 4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	0.05

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VIII	87	偶氮二甲酰胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA)	123-77-3	0.05
VIII	88	对特辛基苯酚乙氧基醚 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	0.05
VIII	89	全氟十一烷酸 Henicosafluoroundecanoic acid	2058-94-8	0.05
VIII	90	全氟十三酸 Pentacosafluorotridecanoic acid	72629-94-8	0.05
VIII	91	六氢邻苯二甲酸酐, 顺式-六氢邻苯二甲酸酐, 反式-六氢邻苯二甲酸酐 Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	0.05
VIII	92	甲基六氢苯酐, 4-甲基六氢苯酐, 1-甲基六氢化邻苯二甲酸酐, 3-甲基六氢苯二甲酯酐 Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.05
VIII	93	全氟十四酸 Heptacosafluorotetradecanoic acid	376-06-7	0.05
VIII	94	邻苯二甲酸二异戊酯 Diisopentyl phthalate (DIPP)	605-50-5	0.05
VIII	95	①支链和直链 1,2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.05
VIII	96	邻苯二甲酸正戊基异戊基酯 n-pentyl-isopentylphthalate	776297-69-9	0.05
VIII	97	甲氧基乙酸 Methoxyacetic acid	625-45-6	0.05
VIII	98	全氟十二烷酸 Tricosafluorododecanoic acid	307-55-1	0.05
VIII	99	乙二醇二乙醚 1,2-diethoxyethane	629-14-1	0.05
VIII	100	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷 3-ethyl-2-methyl-2- (3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.05
VIII	101	2,4-二氨基甲苯 4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.05
VIII	102	N-甲基乙酰胺 N-methylacetamide	79-16-3	0.05
VIII	103	氧化铅与硫酸铅的复合物 Pentalead tetraoxide sulphate*	12065-90-6	0.01
VIII	104	4-氨基联苯 Biphenyl-4-ylamine	92-67-1	0.05
VIII	105	地乐酚 Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.05
VIII	106	双(十八酸基)二氧代三铅 Dioxobis(stearato)trilead*	12578-12-0	0.01
VIII	107	硝酸铅 Lead dinitrate*	10099-74-8	0.01
VIII	108	三碱式硫酸铅 Tetralead trioxide sulphate*	12202-17-4	0.01
VIII	109	氧化铅 Lead monoxide (lead oxide)*	1317-36-8	0.01
VIII	110	钛酸铅 Lead titanium trioxide*	12060-00-3	0.01
VIII	111	4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-methylenedi-o-toluidine	838-88-0	0.05
VIII	112	碱式乙酸铅 Acetic acid, lead salt, basic*	51404-69-4	0.01
VIII	113	硫酸二甲酯 Dimethyl sulphate	77-78-1	0.05
VIII	114	呋喃 Furan	110-00-9	0.05

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VIII	115	颜料黄 41 Pyrochlore, antimony lead yellow*	8012-00-8	0.01
VIII	116	四乙基铅 Tetraethyllead*	78-00-2	0.01
VIII	117	二盐基邻苯二甲酸铅[Phthalato(2-)]dioxotrilead*	69011-06-9	0.01
VIII	118	硫酸二乙酯 Diethyl sulphate	64-67-5	0.05
VIII	119	氨基氰铅盐 Lead cyanamidate*	20837-86-9	0.01
VIII	120	掺杂铅的硅酸钡 Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	0.01
VIII	121	磷酸氧化铅 Trilead dioxide phosphonate*	12141-20-7	0.01
VIII	122	邻甲基苯胺 *o*-Toluidine	95-53-4	0.05
VIII	123	邻氨基偶氮甲苯 *o*-aminoazotoluene	97-56-3	0.05
VIII	124	4-对氨基偶氮苯 4-aminoazobenzene	60-09-3	0.05
VIII	125	6-甲氧基-间甲苯胺 6-methoxy-*m*-toluidine (*p*-cresidine)	120-71-8	0.05
VIII	126	二丁基二氯化锡 Dibutyltin dichloride (DBTC)*	683-18-1	0.05
VIII	127	钛酸铅锆 Lead titanium zirconium oxide*	12626-81-2	0.01
VIII	128	环氧丙烷 Methyloxirane (Propylene oxide)	75-56-9	0.05
VIII	129	1-溴代正丙烷 1-bromopropane (n-propyl bromide)	106-94-5	0.05
VIII	130	碱式碳酸铅 Trilead bis(carbonate) dihydroxide*	1319-46-6	0.01
VIII	131	C16-18-脂肪酸铅盐 Fatty acids, C16-18, lead salts*	91031-62-8	0.01
VIII	132	四氧化三铅 Orange lead (lead tetroxide)*	1314-41-6	0.01
VIII	133	二碱式亚硫酸铅(II) Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
VIII	134	4,4'-二氨基二苯醚及其盐 4,4'-oxydianiline and its salts	101-80-4	0.05
VIII	135	碱式硫酸铅 Lead oxide sulfate*	12036-76-9	0.01
VIII	136	四氟硼酸铅 Lead bis(tetrafluoroborate)*	13814-96-5	0.01
VIII	137	硅酸铅 Silicic acid, lead salt*	11120-22-2	0.01
VIII	138	N,N-二甲基甲酰胺 N,N-dimethylformamide	68-12-2	0.05
IX	139	镉 Cadmium	7440-43-9	0.01
IX	140	氧化镉 Cadmium oxide*	1306-19-0	0.01
IX	141	邻苯二甲酸二戊酯 Dipentyl phthalate (DPP)	131-18-0	0.05
IX	142	①乙氧基化的支链和直链的 4-壬基酚（直链和/或支链的具有 9 个碳原子的烷基链共价键合在 4 位的乙氧基酚，囊括了 UVCB 和定义明确的物质，聚合物及同系物，其中包括任何单独的异构体和/或它们的组合）4-Nonylphenol, branched and linear, ethoxylated *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]*	-	0.05
IX	143	全氟辛酸铵 Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.05
IX	144	全氟辛烷酸 Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.05
X	145	①磷酸三(二甲苯)酯 Trixylyl phosphate	25155-23-1	0.05
X	146	C.I.直接黑 38 Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo) naphthalene-2,7-disulphonate (C.I. Direct Black 38)***	1937-37-7	0.05

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X	147	邻苯二甲酸二己酯 Dihexyl phthalate	84-75-3	0.05
X	148	硫化镉 Cadmium sulphide*	1306-23-6	0.01
X	149	C.I.直接红 28 Disodium 3,3'-[[1,1'-biphenyl]- 4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	0.05
X	150	醋酸铅(Ⅱ) Lead di(acetate)*	301-04-2	0.01
X	151	1,2-亚乙基硫脲 Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.05
XI	152	①邻苯二甲酸二己酯，直链和支链 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.05
XI	153	氯化镉 Cadmium chloride*	10108-64-2	0.01
XI	154	②过硼酸钠，水合物；过硼酸钠盐 Sodium perborate; perboric acid, sodium salt*****	15120-21-5 11138-47-9	0.01
XI	155	②过硼酸钠，无水 Sodium peroxometaborate*****	7632-04-4	0.01
XII	156	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 2-(2H-Benzotriazol-2-yl)- 4,6-ditertpentylphenol (UV-328)	25973-55-1	0.05
XII	157	2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑 2-Benzotriazol-2-yl-4,6- di-tert-butylphenol (UV-320)	3846-71-7	0.05
XII	158	二正辛基-双(巯乙酸2-乙基己酯)锡 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*	15571-58-1	0.05
XII	159	氟化镉 Cadmium fluoride*	7790-79-6	0.01
XII	160	硫酸镉 Cadmium sulphate*	10124-36-4 31119-53-6	0.01
XII	161	①二正辛基-双(巯乙酸2-乙基己酯)锡(DOTE)和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料 Reaction mass of 2-ethylhexyl 10-ethyl-4,4- dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4- [[2-[(2-ethylhexyl)oxy]-2-oxoethyl] thio]-4-octyl-7- oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)*	-	0.05
XIII	162	①1,2-苯二羧酸, 二-C6-10-烷基酯；（葵基，己基，辛基）酯与1,2-苯二甲酸的复合物，其邻苯二甲酸二己酯含量≥0.3% (EC No. 201-559-5) 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5 68648-93-1	0.05
XIII	163	①5-仲丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1]，5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]（卡拉花醛及其异构体以及它们的混合物） 5-sec-butyl-2-(2,4- dimethylcyclohex-3-en- 1-yl)-5- methyl-1,3-dioxane [1], 5-sec- butyl- 2-(4,6-dimethylcyclohex-3-en-1-yl)- 5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	0.05
XIV	164	硝基苯 Nitrobenzene	98-95-3	0.05

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XIV	165	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚 2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.05
XIV	166	2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 2-(2H-benzotriazol-2-yl)- 4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.05
XIV	167	1,3-丙烷磺内酯 1,3-propanesultone	1120-71-4	0.05
XIV	168	全氟壬酸及其钠和铵盐 Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.05
XV	169	苯并(a)芘 Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.05
XVI	170	双酚 A 4,4'-isopropylidenediphenol (bisphenol A) (BPA)	80-05-7	0.05
XVI	171	全氟癸酸(PFDA)及其钠盐和铵盐 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	0.05
XVI	172	4-(1,1-二甲基丙基)苯酚 (别名：对叔戊基苯酚) *p*-(1,1-dimethylpropyl)phenol	80-46-6	0.05
XVI	173	[①]支链与直链的 4-庚基酚(直链和/或支链的具有 7 个碳原子的烷基链共价键在 4 位的苯酚，囊括了 UVCB 和定义明确的物质，其中包括任何单独异构体和/或它们的组合) 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.05
XVII	174	全氟己基磺酸及其盐 Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	0.05
XVIII	175	得克隆(包括其所有反式和顺式异构体及其组合) Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	0.05
XVIII	176	苯并[a]蒽Benzo[a]anthracene	56-55-3	0.05
XVIII	177	硝酸镉Cadmium nitrate*	10325-94-7	0.01
XVIII	178	碳酸镉Cadmium carbonate*	513-78-0	0.01
XVIII	179	氢氧化镉Cadmium hydroxide*	21041-95-2	0.01
XVIII	180	䓛Chrysene	218-01-9	0.05
XVIII	181	[①]1,3,4-噻二唑烷-2,5-二硫酮，甲醛和4-庚基苯酚的支链和直链(RP-HP)的反应产物[4-庚基苯酚，支链和直链含量≥0.1% w/w] Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]	-	0.05
XIX	182	八甲基环四硅氧烷 Octamethylcyclotetrasiloxane (D4)	556-67-2	0.05
XIX	183	十甲基环五硅氧烷Decamethylcyclopentasiloxane (D5)	541-02-6	0.05
XIX	184	十二甲基环六硅氧烷 Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.05
XIX	185	铅 Lead	7439-92-1	0.01
XIX	186	八硼酸二钠 Disodium octaborate*	12008-41-2	0.01
XIX	187	苯并(g,h,i)苝 Benzo[ghi]perylene	191-24-2	0.05
XIX	188	[①]氢化三联苯 Terphenyl, hydrogenated	61788-32-7	0.05
XIX	189	乙二胺 Ethylenediamine (EDA)	107-15-3	0.05

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XIX	190	偏苯三酸酐 Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.05
XIX	191	邻苯二甲酸二环己酯Dicyclohexyl phthalate (DCHP)	84-61-7	0.05
XX	192	4,4'-(1,3-二甲基丁基)二苯酚 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.05
XX	193	苯并[k]荧蒽 Benzo[k]fluoranthene	207-08-9	0.05
XX	194	荧蒽 Fluoranthene	206-44-0	0.05
XX	195	菲 Phenanthrene	85-01-8	0.05
XX	196	芘 Pyrene	129-00-0	0.05
XX	197	1,7,7-三甲基-3-(苯亚甲基)双环[2,2,1]庚-2-酮 1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	0.05
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(HFPO-DA) 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.05
XXI	199	甲二醇乙醚乙酸酯2-methoxyethyl acetate	110-49-6	0.05
XXI	200	4-叔丁基苯酚4-tert-butylphenol	98-54-4	0.05
XXI	201	①三(4-壬基苯基，支链和直链)亚磷酸酯 Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.05
XXII	202	2-苄基-2-二甲基氨基-1-(4-吗啉苯基)丁酮 2-benzyl-2-dimethylamino-4'- morpholinobutyrophenone	119313-12-1	0.05
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one	71868-10-5	0.05
XXII	204	邻苯二甲酸二异己酯 Diisohexyl phthalate	71850-09-4	0.05
XXII	205	全氟丁烷磺酸(PFBS)及其盐 Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.05
XXIII	206	1-乙烯基咪唑 1-vinylimidazole	1072-63-5	0.05
XXIII	207	2-甲基咪唑 2-methylimidazole	693-98-1	0.05
XXIII	208	对羟基苯甲酸丁酯 Butyl 4-hydroxybenzoate	94-26-8	0.05
XXIII	209	双(乙酰丙酮酸)二丁基锡 Dibutylbis(pentane-2,4-dionato-O,O')tin*	22673-19-4	0.05
XXIV	210	四乙二醇二甲醚 bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.05
XXIV	211	二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数 Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety*	-	0.05
XXV	212	1,4-二恶烷 1,4-dioxane	123-91-1	0.05

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XXV	213	2,2-双(溴甲基) -1,3-丙二醇 三溴新戊醇/3-溴-2,2-二溴乙基丙醇 2,3-二溴丙醇 2,2-bis(bromomethyl) propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	0.05
XXV	214	2-(4-叔丁基苄基)丙醛及其立体异构体 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.05
XXV	215	2,2-二(4-羟基苯基)丁烷(双酚 B) 4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	0.05
XXV	216	戊二醛 Glutaral	111-30-8	0.05
XXV	217	①中链氯化石蜡(UVCB 物质，由≥80%的直链氯代烷烃组成，碳链长度在 C14 到 C17 之间) Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.05
XXV	218	硼酸钠盐 Orthoboric acid, sodium salt*	13840-56-7	0.01
XXV	219	①烷基酚，碳链(C12 为主，直链或支链)主要在对位，包括其任何单个异构体或组合 Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.05
XXVI	220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]双环[2.2.1]庚-2-酮，包括任何单独的异构体和/或其组合 (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1] heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.05
XXVI	221	2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚) 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	0.05
XXVI	222	S-(三环[5.2.1.$0^{2,6}$]癸-3-烯-8(或 9)-基)O-(异丙基或异丁基或 2-乙基己基)O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯 S-(tricyclo[5.2.1.$0^{2,6}$]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.05
XXVI	223	乙烯基-三(2-甲氧基乙氧基)硅烷 tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.05
XXVII	224	N-羟甲基丙烯酰胺 N-(hydroxymethyl)acrylamide	924-42-5	0.05
XXVIII	225	1,2-二(2,4,6-三溴苯氧基)乙烷 1,1'-[ethane-1,2-diylbisoxy]bis [2,4,6-tribromobenzene]	37853-59-1	0.05
XXVIII	226	四溴双酚 A 2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol (TBBPA)	79-94-7	0.05
XXVIII	227	双酚 S 4,4'-sulphonyldiphenol (BPS)	80-09-1	0.05
XXVIII	228	偏硼酸钡 Barium diboron tetraoxide*	13701-59-2	0.01
XXVIII	229	3,4,5,6-四溴-1,2-苯二羧酸双(2-乙基己基)酯，包括任何单独的异构体和/或其组合 Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.05

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XXVIII	230	4-羟基苯甲酸 2-甲基丙酯 Isobutyl 4-hydroxybenzoate	4247-02-3	0.05
XXVIII	231	三聚氰胺 Melamine	108-78-1	0.05
XXVIII	232	全氟庚酸及其盐 Perfluoroheptanoic acid and its salts	-	0.05
XXVIII	233	2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)吗啉和 2,2,3,3,5,5,6,6-八氟烷-4-(七氟丙基)吗啉的反应物料 Reaction mass of 2,2,3,3,5,5,6,6-octafluoro- 4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	0.05
XXIX	234	二苯基(2,4,6-三甲基苯甲酰基)氧化膦 Diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide	75980-60-8	0.05
XXIX	235	4,4'-二氯二苯砜 Bis(4-chlorophenyl) sulphone	80-07-9	0.05
XXX	236	2,4,6-三叔丁基苯酚 2,4,6-tri-tert-butylphenol (2,4,6-TTBP)	732-26-3	0.05
XXX	237	2-[2-羟基-5-(1,1,3,3-四甲丁基)苯基]苯并三唑 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.05
XXX	238	2-(4-甲基苄基)-2-(二甲基氨基)-1-(4-吗啉苯基)-1-丁酮 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4- yl)phenyl]butan-1-one	119344-86-4	0.05
XXX	239	2-(5-氯-2H-苯三唑-2-基)-6-(1,1-二甲基乙基)-4-甲基苯酚 Bumetrizole (UV-326)	3896-11-5	0.05
XXX	240	①2-苯基丙烯与苯酚的低聚和烷基化反应产物 Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.05
XXXI	241	过氧化二异丙苯 Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.05
XXXI	242	磷酸三苯酯 Triphenyl phosphate	115-86-6	0.05
XXXII	243	6-[(C10-C13)-烷基-(支链，不饱和)-2,5-二氧吡咯烷-1-基]己酸 6- [(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1- yl]hexanoic acid	2156592-54-8	0.05
XXXII	244	硫代磷酸(O,O,O-三苯基)酯 O,O,O-triphenyl phosphorothioate	597-82-0	0.05
XXXII	245	八甲基三硅氧烷 Octamethyltrisiloxane	107-51-7	0.05
XXXII	246	全氟三丙胺 Perfluamine	338-83-0	0.05
XXXII	247	三苯基硫代磷酸与叔丁基苯衍生物的反应物料 Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.05
XXXIII	248	1,1,1,3,5,5,5-七甲基-3-[(三甲基甲硅烷基)氧基]三硅氧烷 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.05
XXXIII	249	十甲基四硅氧烷 Decamethyltetrasiloxane	141-62-8	0.05
XXXIII	250	活性棕 51 Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4- chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}- 1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl] amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl} diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.05
XXXIV	251	1,1'-(1,2-亚乙基)双[五溴苯](十溴二苯乙烷） 1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]	84852-53-9	0.05
XXXV	252	正己烷 N-hexane	110-54-3	0.05

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
XXXV	253	4,4-[2,2,2-三氟-1-(三氟甲基)亚乙基]双酚及其盐 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts	-	0.05

意向 SVHC 物质清单 List of intention for identification of SVHC

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
※	1	间苯二酚 Resorcinol	108-46-3	0.05

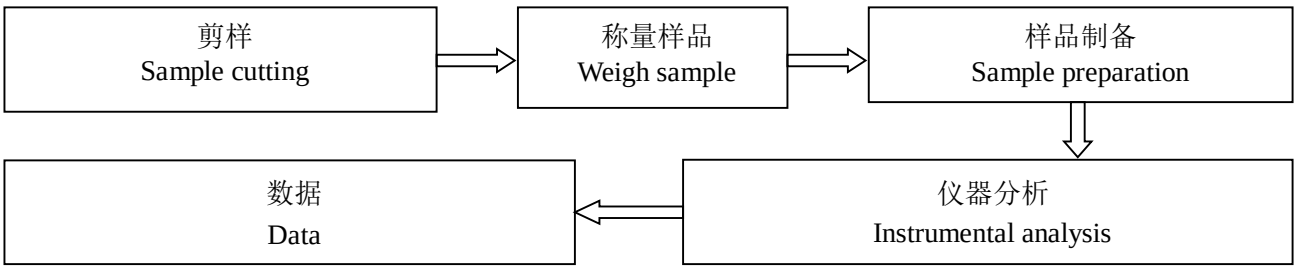
REACH 法规义务 REACH Regulation obligation:

1. 根据欧盟 REACH 法规（编号 1907/2006）第 7（2）条款之规定物品类产品如果含有候选列表上的高度关注物质且满足如下两个条件，物品的供应方需根据第 7（4）条款的规定向欧洲化学品管理局进行通报：
   (a) 物品中该高度关注物质制造或进口到欧盟的总量超过 1 吨/每年/每制造商或进口商;
   (b) 高度关注物质在物品中的含量超过 0.1% (w/w)。
   In accordance with Article 7(2) of the EU REACH Regulation (No. 1907/2006), any producer or importer of articles shall notify the European Chemicals Agency as stipulated in Article 7(4), if an article contains a substance from the Candidate List of Substances of Very High Concern (SVHCs) and both the following conditions are met:
   (a) the substance is present in those articles in quantities totalling over one tonne per producer or importer per year;
   (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
2. 根据欧盟 REACH 法规（编号 1907/2006）第 33 条款之规定，物品类产品如果含有候选列表上的高度关注物质且在物品中的含量超过 0.1% (w/w)时，物品供应方需履行相关信息传递义务:
   Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of EU REACH Regulation (No. 1907/2006).
   1) 物品供应方应提供给接收方关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
   2) 应消费者请求，物品供应方应在 45 天内免费提供关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
3. 根据欧盟 REACH 法规（编号 1907/2006）第 31 条款及附件 II 之规定，提供物质及混合物的供应方应向接收方免费提供安全数据表(SDS)。
   1) 根据欧盟 CLP 法规（编号 1272/2008）被分类为有害的物质或混合物；
   2) 根据 REACH 法规附件 XIII 被归为 PBT 或 vPvB 的物质；
   3) 根据 REACH 法规第 59（1）条款被纳入高度关注物质列表上的物质；
   4）根据 CLP 法规（编号 1272/2008）未被分类为有害的混合物，但包括：
   (a) 至少一种对人类健康或环境有害的物质，在非气体混合物中包含单个浓度≥1%(w/w)或在气体混合物中包含单个浓度≥0.2%(v/v)；
   (b) 至少一种属于高度关注物质，在非气体混合物中包括单个浓度≥0.1% (w/w)；
   (c) 超出欧盟工作场所暴露极限的物质。
   In accordance with Article 31 of the EU REACH Regulation (No. 1907/2006), the supplier of a substance or a mixture shall provide the recipient of the substance or mixture with a safety data sheet (SDS) for free compiled in accordance with Annex II of REACH.
   1) where a substance or mixture meets the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008; or
   2) where a substance is persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII; or
   3) where a substance is included in the list established in accordance with Article 59(1) for reasons other than those referred to in points (a) and (b);
   4) the supplier shall provide the recipient at his request with a safety data sheet (SDS) compiled in accordance with Annex II, where a mixture does not meet the criteria for classification as hazardous in accordance with Titles I and II of Regulation (EC) No 1272/2008, but contains:

(a) in an individual concentration of ≥ 1 % by weight for non-gaseous mixtures and ≥ 0.2 % by volume for gaseous mixtures at least one substance posing human health or environmental hazards; or
(b) in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures at least one substance that has been included in the Candidate List of Substances of Very High Concern (SVHCs); or
(c) a substance for which there are Community workplace exposure limits.

4. 自 2021 年 1 月 5 日，投放欧盟市场的含有高度关注物质 (SVHCs)含量超过 0.1 % (w/w)的物品公司，需依据废弃物框架指令（编号 2008/98）向欧洲化学品管理局提交相关信息到 SCIP 数据库。
Companies supplying articles containing Substances of Very High Concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market have to submit information on these articles to ECHA in accordance with Waste Framework Directive (WFD) (No 2008/98, as from 5 January 2021.

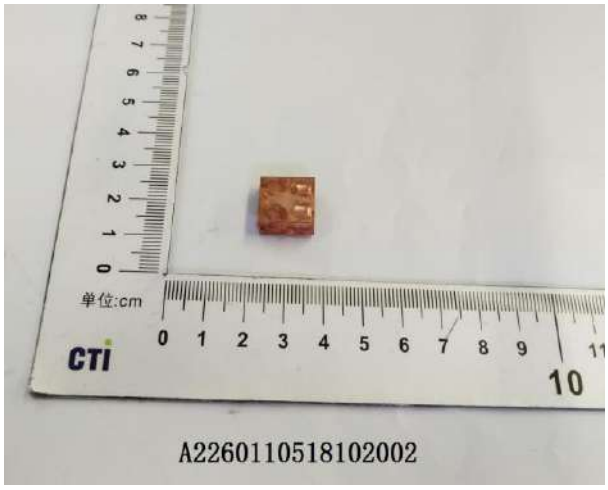
检测流程 Test Process



检测报告
Test Report

样品图片

Photo(s) of the sample(s)



声明 Statement：

1. 本报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明，报告参照 ILAC-G8:09/2019 / CNAS-GL015:2022 使用简单接受（w=0）二元判定规则进行符合性判定；
   Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. 未经 CTI 书面同意，不得部分复制本报告；
   Without written approval of CTI, this report can’t be reproduced except in full;
6. 如报告中的英文内容与中文内容有差异，以中文为准。
   In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
*** End of Report ***

附录 Appendix

客户参考图片（非测试样品）Client Reference Photo (Non-tested sample)



声明 Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性。
   The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. 附录内容为 A2260110518102002E 报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2260110518102002E.

東莞良晟電線電纜有限公司成份及物性表

品名（name）:9B-P010-50P-9BU-1/90P黑色插头料UL94-V0/89-1001-0050（UL）

一. 成 份 表（Ingredients table）

品　名 Product name		供　應　商（supplier）	比例（scale）	備注（remarks column）
PVC粉 (Polyvinyl Choride)		臺塑企業有限公司	46.46%±0.03%	CASNO.9002-86-2
可塑劑（Plasticizers）		埃克森美孚化工國際商務有限公司	25.23%±0.03%	CASNO.68515-48-0
填充劑 (Filler)	重鈣	東莞立茂有限公司	23.56%±0.03%	CASNO.00471-34-1
	輕鈣	東莞立茂有限公司		CASNO.00471-34-1
安定劑 (Antipsychotic agents)		日本水泽(三仁工業有限公司)	1.86%	CASNO.57-11-4/557-05-1/1592-23-0
滑劑(Slip agent)		深圳市銳清鋒貿易有限公司	0.19%	CASNO.9002-88-4/110-30-5/57-11-4
阻燃劑（fire retardant）		廣東宇星銻業有限公司	1.86%	CASNO.1309-64-4
色 粉(Toner)		僑鵬貿易有限公司/東莞市信禎塑膠原料公司	0.84%	CASNO./

二. 物 性 表（ Property Data Glossary）

檢測專案		檢測設備	檢測條件	標準值	實測值
1	顏色Colour	分　光 比色仪	光源: [V] D65 [X] CWF2 視覺10°	L= 25.92 A= 0.04 B=-0.81	L= 25.84 A= 0.04 B=-0.97 △E=0.17
2	硬度Stiffness	硬度計	室溫23±2℃ 冷卻 1/6 H	Shore A: 83±3SA(50P)	Shore A:83/84/85/SA
3	比重 The proportion of	比重計	／	／	1.44±0.03 g/cm
4	非移測試 Non-move test	加　熱 變型機	____℃ ____H ____g [X] 耐PS [X] 耐ABS	[ ] 耐ABS [ ] [ ] 耐PS [ ] 耐ABS&PS	
5	抗 張 Tensile	拉　力 測試機	1.延伸速度： [X] 200mm/分钟 2.老化條件： 時間：[X] 72H測試 溫度： [X] 80℃測試 [X] 105℃測試	老化前伸長率 100% 老化前抗張強度 [ ] 1500PSI [ ] 3000PSI 老化后殘率 [ ] 65% [ ] 70%	老化前伸長率 老化前抗張強度 老化后殘率
6	燃燒測試 Combustion	耐燃 測試機	[X] VW-1 [V] 94V0	E320386	E320386
7	重 金屬測試 Heary metal testing	ICP-AES	[V] EN71 PART3:1994 [V] EN1122:2001 [V] EPA3050B [V] EPA3052 [V] EPA3060	符合八大重金屬含量要求 鎘（CB）含量＜5PPM 鉛（PB）含量 [X] ＜90 PPM [X] ＜50PPM [V] ＜30PPM 汞（Hg）含量＜2PPM 鉻（Cr6+）含量＜2PPM	[V] 附檢測報告
8	環 境 The environment	重金屬	鎘以及鎘化合物 鉛以及鉛化合物 汞以及汞化合物 六價鉻化合物	有機溴化合物	多溴聯苯（PBB） 多溴二苯醚(PBDE) 四溴雙酚（2.3一二溴丙醚 其他有機溴化合物
		有機氯化合物	多氯聯苯（PCB） 多氯化（PCN） 氯代烷烃（CP） 滅蟻氯（MEREX） 其他有機氯化合物	其他化合物	有機錫化合物 石棉 偶氮化合物 甲醛 鹵素物質（除PVC產品
備註（其它條件）		：如需測試特殊物質，請另行告知(品質管控：ROHS2.0+鄰苯/REACH173項）			
核准：劉建平2017/09/08			制作：鄒有君		

東莞良晟電線電纜有限公司成份及物性表

品名（name）:30P藍色插头料（89-1007-0030）

一. 成 份 表（Ingredients table）

品　名 Product name		供　應　商 （supplier）	比例 （ scale）	備注 （remarks column）
PVC粉 (Polyvinyl Choride)		臺塑企業有限公司	61.27%±0.03%	CASNO.9002-86-2
可塑劑（Plasticizers）		埃克森美孚化工國際商務有限公司	18.38%±0.03%	CASNO.68515-48-0
填充劑 (Filler)	重鈣	東莞立茂有限公司	15.32%±0.03%	CASNO.00471-34-1
	輕鈣	東莞立茂有限公司		CASNO.00471-34-1
安定劑 (Antipsychotic agents)		日本水泽(三仁工業有限公司)	2.45%	CASNO.57-11-4/557-05-1/1592-23-0
滑劑(Slip agent)		深圳市銳清鋒貿易有限公司	0.25%	CASNO.9002-88-4/110-30-5/57-11-4
阻燃劑 （fire retardant）		廣東宇星銻業有限公司	1.23%	CASNO.1309-64-4
色 粉(Toner)		僑鵬貿易有限公司/東莞市信禎塑膠原料公司	1.10%	CASNO./

二. 物 性 表（ Property Data Glossary）

檢測專案		檢測設備	檢測條件	標準值	實測值
1	顏色Colour	分　光 比色仪	光源: [V] D65 [X] CWF2 視覺10°	L= 25.92 A= 0.04 B=-0.81	L= 25.84 A= 0.04 B=-0.97 △E=0.17
2	硬度Stiffness	硬度計	室溫23±2℃ 冷卻 1/6 H	Shore A: 95±3SA(30P)	Shore A:95/96/97/SA
3	比重 The proportion of	比重計	／	／	1.41±0.03 g/cm
4	非移測試 Non-move test	加　熱 變型機	____℃ ____H ____g	[ ] 耐ABS [ ]	
			[X] 耐PS	[ ] 耐PS	
			[X] 耐ABS	[ ] 耐ABS&PS	
5	抗 張 Tensile	拉　力 測試機	1.延伸速度： [X] 200mm/分钟	老化前伸長率 100%	老化前伸長率
			2.老化條件： 時間：[X] 72H測試	老化前抗張強度 [ ] 1500PSI [ ] 3000PSI	老化前抗張強度
			溫度： [X] 80℃測試 [X] 105℃測試	老化后殘率 [ ] 65% [ ] 70%	老化后殘率
6	燃燒測試 Combustion	耐燃 測試機	[X] VW-1	E320386	E320386
			[V] 94V0		
7	重 金屬測試 Heary metal testing	ICP-AES	[V] EN71 PART3:1994	符合八大重金屬含量要求	[V] 附檢測報告
			[V] EN1122:2001	鎘（CB）含量＜5PPM	
				鉛（PB）含量	
			[V] EPA3050B	[X] ＜90 PPM	
				[X] ＜50PPM	
				[V] ＜30PPM	
			[V] EPA3052	汞（Hg）含量＜2PPM	
			[V] EPA3060	鉻（Cr6+）含量＜2PPM	
8	環 境 The environment	重金屬	鎘以及鎘化合物	有機溴化合物	多溴聯苯（PBB）
			鉛以及鉛化合物		多溴二苯醚(PBDE)
			汞以及汞化合物		四溴雙酚（2.3一二溴丙醚
			六價鉻化合物		其他有機溴化合物
		有機氯 化合物	多氯聯苯（PCB）		有機錫化合物
			多氯化（PCN）		石棉
			氯代烷烃（CP）	其他化合物	偶氮化合物
			滅蟻氯（MEREX）		甲醛
			其他有機氯化合物		鹵素物質（除PVC產品
備註（其它條件）		：如需測試特殊物質，請另行告知(品質管控：ROHS2.0+鄰苯/REACH173項）			
核准：劉建平2017/09/08				制作：鄒有君	

UNDERWRITERS LABORATORIES INC.

INSPECTION REPORT - Type R Service

E32038610903201130

Date	2009-03-20	File Number	E320386
Responsible Office	Suzhou	Volume	1
Inspection Center	750	Account / Order Number	NONE
CCN	QMFZ2	UL Rep Name	Steven Xiong
Product Category	Plastics - Component	UL Representative ID	08567
Subscriber - Factory Number	292860-001	Factory Representative	Mr. 李 柏 毅, sales manager/刘副理（PVC Dep.副理）
Manufacturer Name	WIN CENTER ELECTRONICS HARDWARE & PLASTIC FTY	Factory Rep Phone	755-2705 5000;3395 2600;33952666
Manufacturer Address	TA YANG INDUSTRY ZONE LOU GANG VILLAGE, SONG GANG TOWN BAO'AN SHENZHEN GUANGDONG CHINA	Factory Rep Email	sales@wz-2in.com;win@sz-win.com

Nature of Visit	Regular Inspection	Sample Status	Sample Selected
Listing/Classification/Recognized (Unlisted) Component Marks Used Since Last Visit	Yes	Listing/Classification/Recognized (Unlisted) Component Marks Removed	No
Variation Notice Issued	No		

Comments After Submission

PRODUCT DOCUMENTS / PRODUCTION READY VISIT

Model	Product	Class	Section/ RNN	Multiple Listed	
S-60	P.V.C		1	No	

SAMPLE DOCUMENTS

If samples are required to be sent to ULI Laboratory, indicate below. If required samples are not sent, explain in the Comments area.

Type/Style/ Cat/Model	Name	Sample Tag Number	Shipped to Office
001 S-60(A)	P.V.C	F627976	Taipei

Additional Comments: Sample Selection ,GROUP I ,Sample code B ,size:127*12.7*1.1 mm.For Identification Test&94V Flame test.

CTI 华测检测

中国认可
国际互认
检测
TESTING
CNAS L1910

Test Report

Report No. A2260251117103002

Company Name shown on Report	DONGGUAN JIANXIN ELECTRONIC PLASTIC PRODUCTS CO., LTD
Address	ROOM 101, BUILDING 4, NO.31, LONGZHOU INDUSTRIAL ROAD, CHANGPING TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	PVC plastic pellets(black) S-60 V-0
Sample Received Date	Apr. 2, 2026
Testing Period	Apr. 2, 2026 to Apr. 10, 2026

Test Requested	As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP), Hexabromocyclododecane (HBCDD), Polycyclic Aromatic Hydrocarbons (PAHs), Bisphenol A (BPA), Tetrabromobisphenol A (TBBP-A), Arsenic(As), Barium(Ba), Antimony(Sb), Chromium(Cr), Selenium(Se), Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS), Phthalates in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).

****

Conclusion

Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	PASS

****

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

Approved by: Hill Zheng

Hill Zheng
Technical Manager

Date: Apr. 10, 2026

No. R179751029

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS
Hexabromocyclododecane (HBCDD)	IEC 62321-9:2021	GC-MS
Polycyclic Aromatic Hydrocarbons (PAHs)	Refer to AfPS GS 2019:01 PAK	GC-MS
Bisphenol A (BPA)*	Refer to US EPA 3550C:2007 & ISO 18857-2:2009	LC-MS-MS
Tetrabromobisphenol A (TBBP-A)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Arsenic(As)	Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
Barium(Ba)	Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
Antimony(Sb)	Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
Chromium(Cr)	Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
Selenium(Se)	Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
Perfluorooctanoic Acid(PFOA)*	Refer to EN 17681-1:2025	LC-MS-MS
Perfluorooctane Sulfonates(PFOS)*	Refer to EN 17681-1:2025	LC-MS-MS
Phthalates	Refer to EN 14372:2004(E)	GC-MS

Test Report

Report No. A2260251117103002

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	002		
Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

Tested Item(s)	Result	MDL	Limit
	002		
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
Dibromobiphenyl	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	5 mg/kg	
Hexabromobiphenyl	N.D.	5 mg/kg	
Heptabromobiphenyl	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	5 mg/kg	

Tested Item(s)	Result	MDL	Limit
	002		
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
Dibromodiphenyl ether	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	5 mg/kg	
Hexabromodiphenyl ether	N.D.	5 mg/kg	
Heptabromodiphenyl ether	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	5 mg/kg	

Test Report

Report No. A2260251117103002

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	002		
Phthalates (DBP, BBP, DEHP, DIBP)			
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

Tested Item(s)	Result	MDL
	002	
Hexabromocyclododecane (HBCDD)	N.D.	20 mg/kg

Tested Item(s)	Result	MDL
	002	
Polycyclic Aromatic Hydrocarbons (PAHs)		
Naphthalene	N.D.	0.2 mg/kg
Phenanthrene	N.D.	0.2 mg/kg
Anthracene	N.D.	0.2 mg/kg
Fluoranthene	N.D.	0.2 mg/kg
Pyrene	N.D.	0.2 mg/kg
Chrysene	N.D.	0.2 mg/kg
Benzo(a)anthracene	N.D.	0.2 mg/kg
Benzo(b)fluoranthene	N.D.	0.2 mg/kg
Benzo(k)fluoranthene	N.D.	0.2 mg/kg
Benzo(j)fluoranthene	N.D.	0.2 mg/kg
Benzo(a)pyrene	N.D.	0.2 mg/kg
Benzo(e)pyrene	N.D.	0.2 mg/kg
Dibenzo(a,h)anthracene	N.D.	0.2 mg/kg
Benzo(g,h,i)perylene	N.D.	0.2 mg/kg
Indeno(1,2,3-cd)pyrene	N.D.	0.2 mg/kg
Acenaphthene*	N.D.	0.2 mg/kg
Fluorene*	N.D.	0.2 mg/kg
Acenaphthylene*	N.D.	0.2 mg/kg

Tested Item(s)	Result	MDL
	002	
Bisphenol A (BPA)*	N.D.	0.10 mg/kg

Test Report

Test Result(s)

Tested Item(s)	Result	MDL
	002	
Tetrabromobisphenol A (TBBP-A)	N.D.	5 mg/kg

Tested Item(s)	Result	MDL
	002	
Arsenic (As)	N.D.	10 mg/kg
Barium (Ba)	N.D.	2 mg/kg
Antimony (Sb)	N.D.	5 mg/kg
Chromium (Cr)	N.D.	2 mg/kg
Selenium (Se)	N.D.	5 mg/kg

Tested Item(s)	Result	MDL
	002	
Perfluorooctanoic Acid (PFOA)*	N.D.	0.010 mg/kg

Tested Item(s)	Result	MDL
	002	
Perfluorooctane Sulfonates (PFOS)*	N.D.	0.010 mg/kg

Test Report

Report No. A2260251117103002

Test Result(s)

Tested Item(s)	Result	MDL
	002	
Phthalates		
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	30 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	30 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	30 mg/kg
Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	30 mg/kg
Di-isononyl phthalate (DINP) CAS#:28553-12-0, 68515-48-0	N.D.	50 mg/kg
Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0, 68515-49-1	N.D.	50 mg/kg
Dimethyl phthalate (DMP) CAS#:131-11-3*	N.D.	30 mg/kg
Diethyl phthalate (DEP) CAS#:84-66-2*	N.D.	30 mg/kg
Dipropyl phthalate (DPrP) CAS#:131-16-8*	N.D.	30 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5*	N.D.	30 mg/kg
Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0*	N.D.	30 mg/kg
Diheptyl phthalate (DHP) CAS#:3648-21-3*	N.D.	30 mg/kg
Dicyclohexyl phthalate (DCHP) CAS#:84-61-7*	N.D.	30 mg/kg
Diisooctyl phthalate (DIOP) CAS#:27554-26-3*	N.D.	50 mg/kg
Dinonyl phthalate (DNP) CAS#:84-76-4*	N.D.	30 mg/kg
Diisononyl adipate (DINA) CAS#:33703-08-1*	N.D.	50 mg/kg
Di-n-hexyl phthalate (DNHP/DHEXP) CAS#:84-75-3*	N.D.	30 mg/kg
Bis(2-methoxyethyl) phthalate (DMEP) CAS#:117-82-8	N.D.	30 mg/kg
Diisopentyl phthalate (DIPP) CAS#:605-50-5*	N.D.	30 mg/kg

Test Report

Report No. A2260251117103002

Test Result(s)

Dibenzyl phthalate (DBzP) CAS#:523-31-9*	N.D.	30 mg/kg
Diphenyl phthalate (DPhP) CAS#:84-62-8*	N.D.	30 mg/kg
Diallyl phthalate (DAP) CAS#:131-17-9*	N.D.	30 mg/kg
Diundecyl phthalates (DUP) CAS#:3648-20-2*	N.D.	30 mg/kg
Decyl octyl phthalate (nDnOP) CAS#:119-07-3*	N.D.	30 mg/kg
Didecyl phthalate (DnDP) CAS#:84-77-5*	N.D.	30 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	002	Black plastic grains

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury, Arsenic, Barium, Antimony, Chromium, Selenium.**

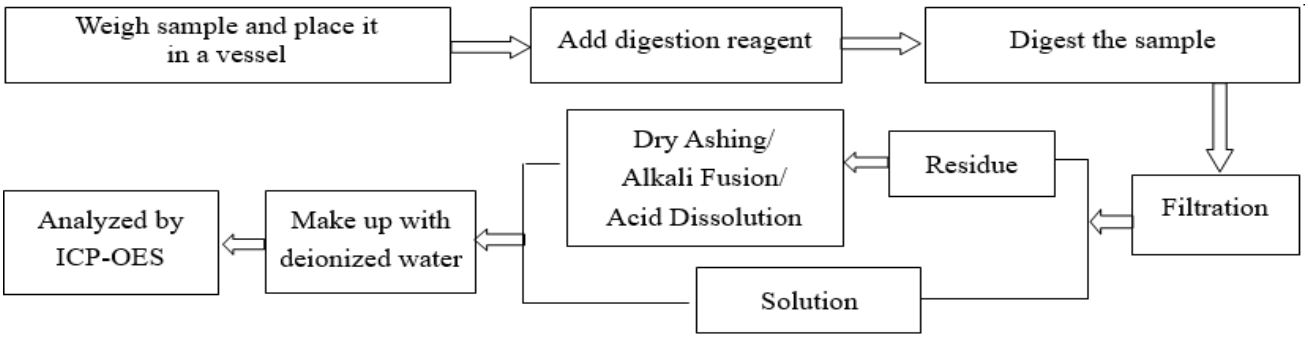
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-1000 mg/kg = 0.1%

Note: **-"*" indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.**

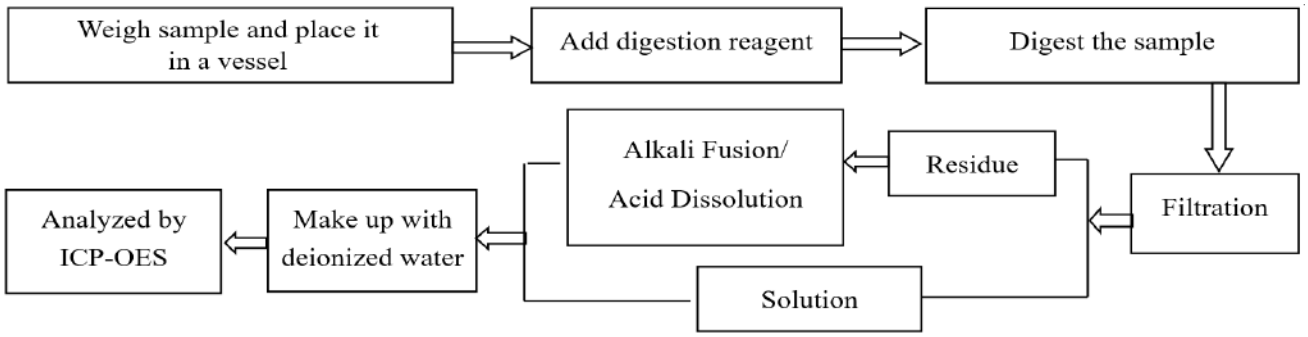
Test Report

Test Process

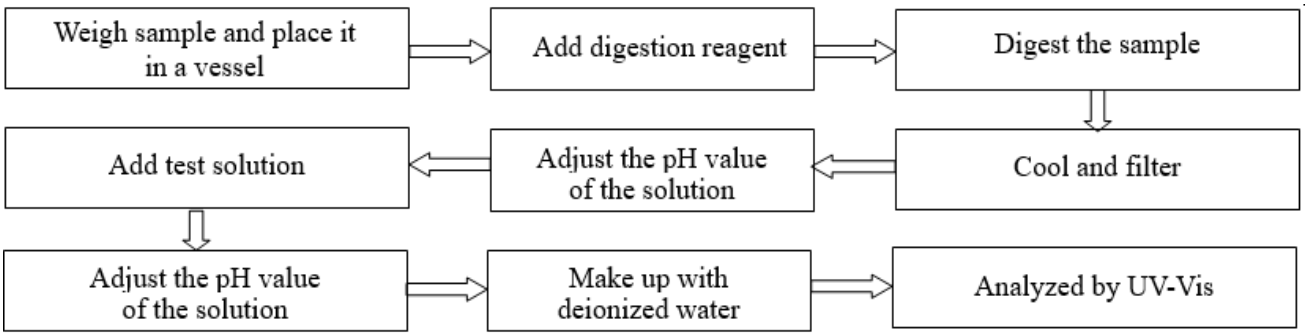
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



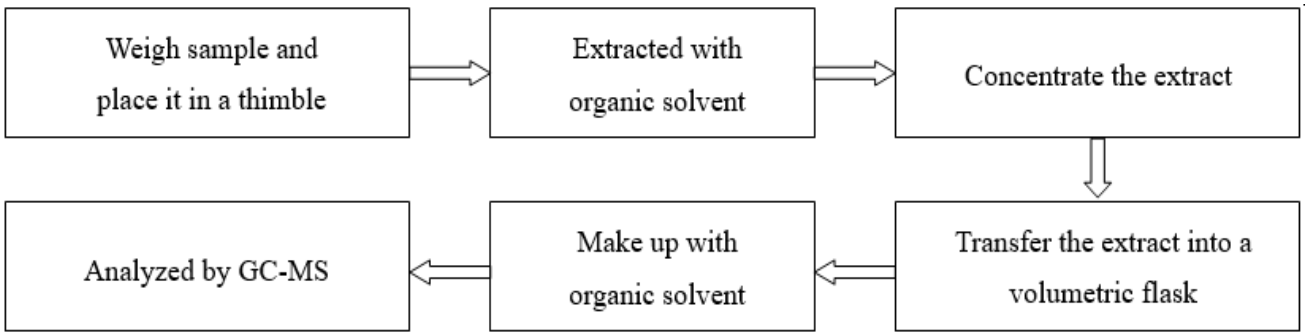
2. Mercury (Hg)



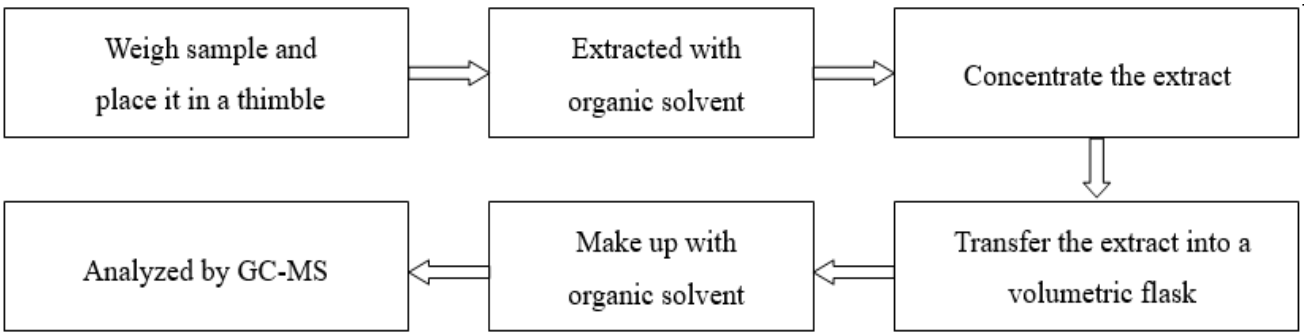
3. Hexavalent Chromium (Cr(VI))



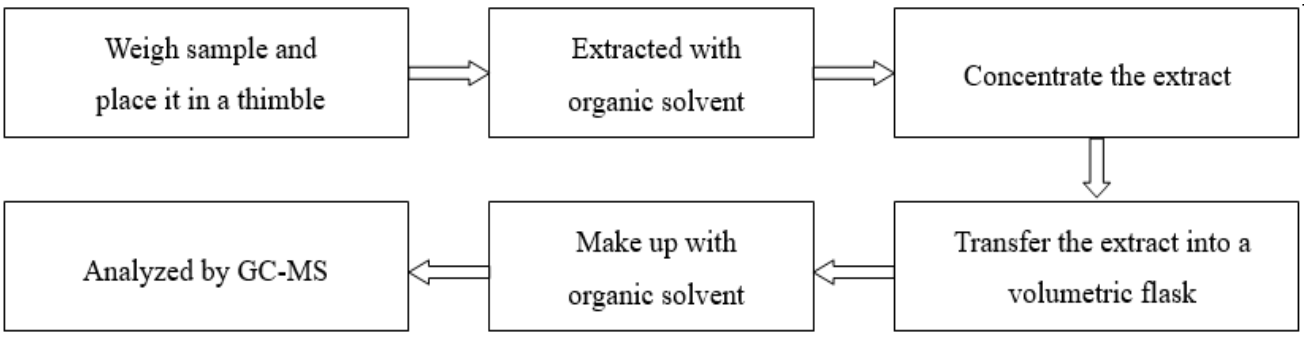
4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



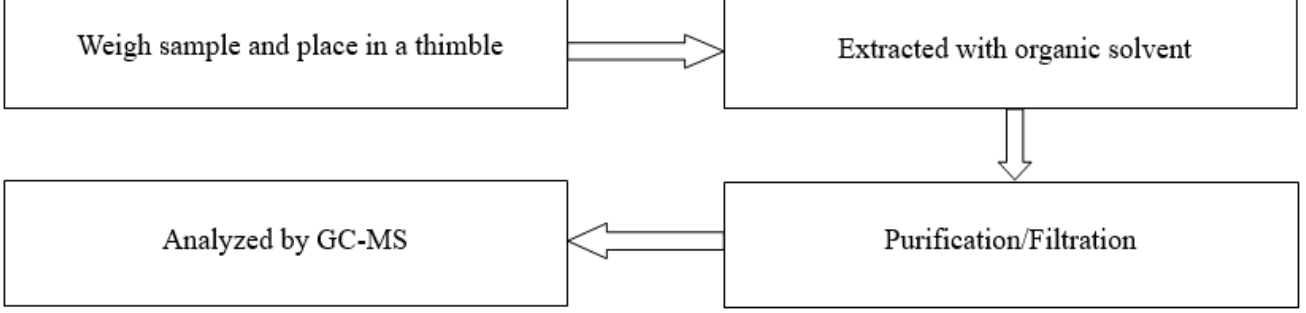
5. Phthalates (DBP, BBP, DEHP, DIBP)



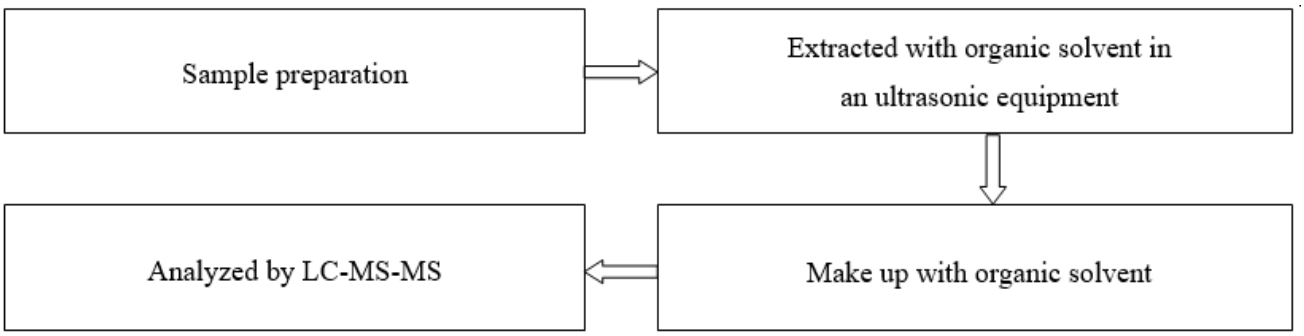
6. Hexabromocyclododecane (HBCDD)



7. Polycyclic Aromatic Hydrocarbons (PAHs)

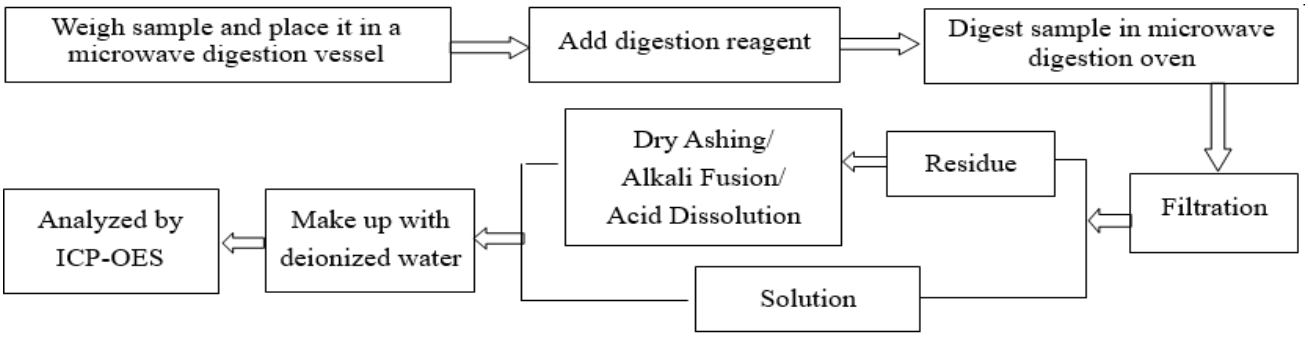


8. Tetrabromobisphenol A (TBBP-A)

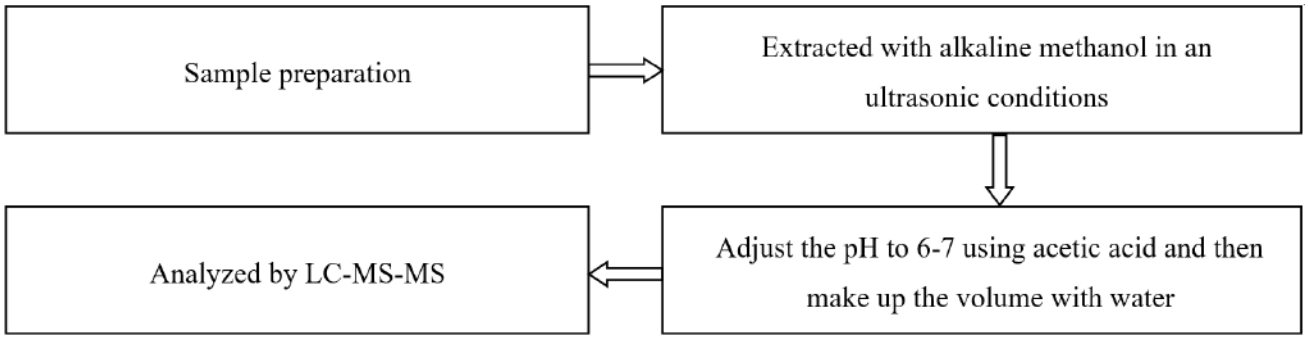


Test Report

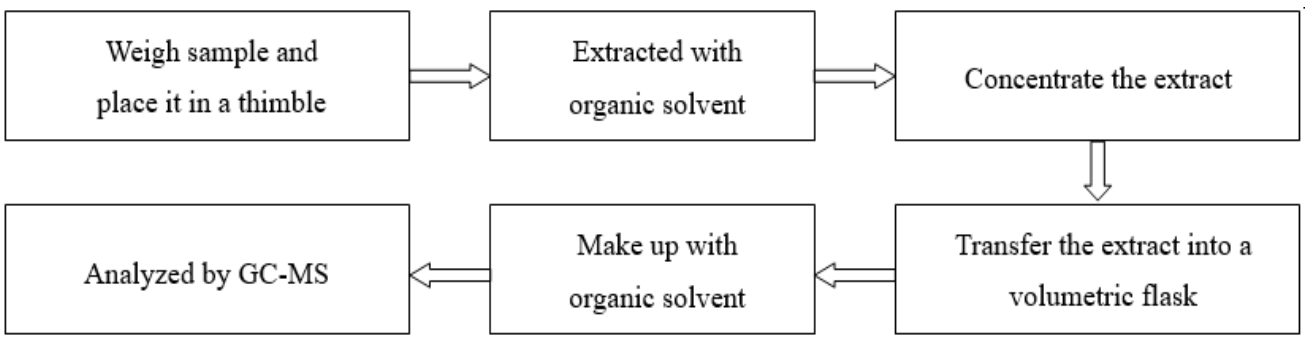
9. Arsenic(As), Barium(Ba), Antimony(Sb), Chromium(Cr), Selenium(Se)



10. Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS)



11. Phthalates



Test Report

Report No. A2260251117103002

Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

*** End of report ***

Test Report

Report No. A2260251117101001 Page 1 of 12

Company Name shown on Report	DONGGUAN JIANXIN ELECTRONIC PLASTIC PRODUCTS CO., LTD
Address	ROOM 101, BUILDING 4, NO.31, LONGZHOU INDUSTRIAL ROAD, CHANGPING TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	PVC plastic pellets(red、black、grey/beige、white、blue、yellow、transparent、brown、purple、green、orange) S-60 V-0
Sample Received Date	Apr. 2, 2026
Testing Period	Apr. 2, 2026 to Apr. 10, 2026
Test Requested	1.As specified by client, to screen the 253 substances of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s). 2.As specified by client, to screen the 1 substance published on June 1st 2021 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).

Summary	According to the analytical results, concentrations of SVHC are ≤ 0.1% (w/w) in the submitted sample(s).	**PASS**

Approved by: Hill Zheng Date: Apr. 10, 2026

Hill Zheng
Technical Manager

No. R179751797

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Test Result(s) 1

Batch	No.	Substance Name(s)	CAS No.	Concentration (%)	RL (%)
				001	
-	-	All tested SVHC (See the candidate list)	-	N.D.	-

Test Result(s) 2

Batch	No.	Substance Name(s)	CAS No.	Concentration (%)	RL (%)
				001	
-	-	All tested intention for identification of SVHC (See the list of intention for identification of SVHC)	-	N.D.	-

Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016, In house method for sample pretreatment.

Analyzed by ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, LC-QTOF, HPLC-DAD and LC-MS-MS.

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Mixed test, 11 kinds of plastic grains

Test Report

Remark:

1. The table of tested result(s) only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the List of SVHC/intention for identification of SVHC on next pages.
2. w/w = weight by weight; 0.1%= 1000 mg/kg =1000 ppm
3. N.D. = Not Detected (< RL)
4. RL = Report Limit (Concentration value will be shown if it ≥ RL. RL is not regulatory limit.)
5. ※ = Intention for identification of SVHC
6. *: Concentration value of the substance by the conversion from the test results of certain elements. Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE), Dibutylbis(pentane-2,4-dionato-O,O')tin, [Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety] by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
7. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
8. ***: C.I.: Colour Index
9. ****: Light fractions from distillation
10. *****: Concentration value of Disodiumtetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodiumtetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
11. ▲: Concentration value of Formaldehyde, oligomeric reaction products with aniline by the conversion from the test results of certain compounds(2,4-Diaminodiphenylmethane, 4,4'-Diaminodiphenylmethane, 2,2-Diaminodiphenylmethane).
12. ①: In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking SDS or requesting from suppliers.
13. ②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
14. As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

Test Report

Candidate List of SVHC

Batch	No.	Substance Name(s)	CAS No.	RL (%)
I	1	Anthracene	120-12-7	0.05
I	2	4,4'- Diaminodiphenylmethane	101-77-9	0.05
I	3	Dibutyl phthalate(DBP)	84-74-2	0.05
I	4	Cobalt dichloride*	7646-79-9	0.01
I	5	Diarsenic pentaoxide*	1303-28-2	0.01
I	6	Diarsenic trioxide*	1327-53-3	0.01
I	7	Sodium dichromate*	7789-12-0 10588-01-9	0.01
I	8	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	0.05
I	9	Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	0.05
I	10	Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.05
I	11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	0.05
I	12	Bis(tributyltin)oxide (TBTO)*	56-35-9	0.05
I	13	Lead hydrogen arsenate*	7784-40-9	0.01
I	14	Benzyl butyl phthalate(BBP)	85-68-7	0.05
I	15	Triethyl arsenate*	15606-95-8	0.01
II	16	①Anthracene oil	90640-80-5	0.05
II	17	①Anthracene oil, anthracene paste, distn. lights****	91995-17-4	0.05
II	18	①Anthracene oil, anthracene paste,anthracene fraction	91995-15-2	0.05
II	19	①Anthracene oil, anthracene-low	90640-82-7	0.05
II	20	①Anthracene oil, anthracene paste	90640-81-6	0.05
II	21	①Pitch, coal tar, high-temp.	65996-93-2	0.05
II	22	Acrylamide	79-06-1	0.05
II	23	2,4-dinitrotoluene	121-14-2	0.05
II	24	Diisobutyl phthalate (DIBP)	84-69-5	0.05
II	25	②Lead chromate	7758-97-6	0.01
II	26	②Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	0.01
II	27	②Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	0.01
II	28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	0.05
III	29	Trichloroethylene	79-01-6	0.05
III	30	Boric acid*	10043-35-3 11113-50-1	0.01
III	31	②Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	0.01
III	32	②Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	0.01
III	33	Sodium chromate*	7775-11-3	0.01
III	34	Potassium chromate*	7789-00-6	0.01
III	35	Ammonium dichromate*	7789-09-5	0.01
III	36	Potassium dichromate*	7778-50-9	0.01
IV	37	Cobalt(Ⅱ) sulphate*	10124-43-3	0.01
IV	38	Cobalt(Ⅱ) dinitrate*	10141-05-6	0.01
IV	39	Cobalt(Ⅱ) carbonate*	513-79-1	0.01
IV	40	Cobalt(Ⅱ) diacetate*	71-48-7	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
IV	41	2-methoxyethanol	109-86-4	0.05
IV	42	2-ethoxyethanol	110-80-5	0.05
IV	43	Chromium trioxide*	1333-82-0	0.01
IV	44	①Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.01
V	45	2-ethoxyethyl acetate	111-15-9	0.05
V	46	Strontium chromate*	7789-06-2	0.01
V	47	①1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.05
V	48	Hydrazine	7803-57-8 302-01-2	0.05
V	49	1-methyl-2-pyrrolidone (NMP)	872-50-4	0.05
V	50	1,2,3-trichloropropane	96-18-4	0.05
V	51	①1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.05
VI	52	Dichromium tris(chromate)*	24613-89-6	0.01
VI	53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.01
VI	54	Pentazinc chromate octahydroxide*	49663-84-5	0.01
VI	55	②Aluminosilicate Refractory Ceramic Fibres (RCF)**	-	0.01
VI	56	②Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	0.01
VI	57	①Formaldehyde, oligomeric reaction products with aniline▲	25214-70-4	0.05
VI	58	Bis(2-methoxyethyl) phthalate	117-82-8	0.05
VI	59	2-Methoxyaniline(o-Anisidine)	90-04-0	0.05
VI	60	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.05
VI	61	1,2-dichloroethane	107-06-2	0.05
VI	62	Bis(2-methoxyethyl) ether	111-96-6	0.05
VI	63	Arsenic acid*	7778-39-4	0.01
VI	64	Calcium arsenate*	7778-44-1	0.01
VI	65	Trilead diarsenate*	3687-31-8	0.01
VI	66	N,N-dimethylacetamide (DMAC)	127-19-5	0.05
VI	67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.05
VI	68	Phenolphthalein	77-09-8	0.05
VI	69	Lead diazide, Lead azide*	13424-46-9	0.01
VI	70	Lead styphnate*	15245-44-0	0.01
VI	71	Lead dipicrate*	6477-64-1	0.01
VII	72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	0.05
VII	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.05
VII	74	Diboron trioxide*	1303-86-2	0.01
VII	75	Formamide	75-12-7	0.05
VII	76	Lead(II) bis(methanesulfonate)*	17570-76-2	0.01
VII	77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.05
VII	78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.05
VII	79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	0.05
VII	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.05
VII	81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)***	548-62-9	0.05
VII	82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5- dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)***	2580-56-5	0.05

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	0.05
VII	84	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	0.05
VIII	85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	0.05
VIII	86	①4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	0.05
VIII	87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA)	123-77-3	0.05
VIII	88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	0.05
VIII	89	Henicosafluoroundecanoic acid	2058-94-8	0.05
VIII	90	Pentacosafluorotridecanoic acid	72629-94-8	0.05
VIII	91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	0.05
VIII	92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.05
VIII	93	Heptacosafluorotetradecanoic acid	376-06-7	0.05
VIII	94	Diisopentylphthalate(DIPP)	605-50-5	0.05
VIII	95	①1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.05
VIII	96	n-pentyl-isopentylphthalate	776297-69-9	0.05
VIII	97	Methoxyacetic acid	625-45-6	0.05
VIII	98	Tricosafluorododecanoic acid	307-55-1	0.05
VIII	99	1,2-diethoxyethane	629-14-1	0.05
VIII	100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.05
VIII	101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.05
VIII	102	N-methylacetamide	79-16-3	0.05
VIII	103	Pentalead tetraoxide sulphate*	12065-90-6	0.01
VIII	104	Biphenyl-4-ylamine	92-67-1	0.05
VIII	105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.05
VIII	106	Dioxobis(stearato)trilead*	12578-12-0	0.01
VIII	107	Lead dinitrate*	10099-74-8	0.01
VIII	108	Tetralead trioxide sulphate*	12202-17-4	0.01
VIII	109	Lead monoxide (lead oxide)*	1317-36-8	0.01
VIII	110	Lead titanium trioxide*	12060-00-3	0.01
VIII	111	4,4'-methylenedi-o-toluidine	838-88-0	0.05
VIII	112	Acetic acid, lead salt, basic*	51404-69-4	0.01
VIII	113	Dimethyl sulphate	77-78-1	0.05
VIII	114	Furan	110-00-9	0.05
VIII	115	Pyrochlore, antimony lead yellow*	8012-00-8	0.01
VIII	116	Tetraethyllead*	78-00-2	0.01
VIII	117	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.01
VIII	118	Diethyl sulphate	64-67-5	0.05
VIII	119	Lead cyanamidate*	20837-86-9	0.01
VIII	120	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	0.01
VIII	121	Trilead dioxide phosphonate*	12141-20-7	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
VIII	122	*o*-Toluidine	95-53-4	0.05
VIII	123	*o*-aminoazotoluene	97-56-3	0.05
VIII	124	4-aminoazobenzene	60-09-3	0.05
VIII	125	6-methoxy-*m*-toluidine (*p*-cresidine)	120-71-8	0.05
VIII	126	Dibutyltin dichloride (DBTC)*	683-18-1	0.05
VIII	127	Lead titanium zirconium oxide*	12626-81-2	0.01
VIII	128	Methyloxirane (Propylene oxide)	75-56-9	0.05
VIII	129	1-bromopropane (n-propyl bromide)	106-94-5	0.05
VIII	130	Trilead bis(carbonate)dihydroxide*	1319-46-6	0.01
VIII	131	Fatty acids, C16-18, lead salts*	91031-62-8	0.01
VIII	132	Orange lead (lead tetroxide)*	1314-41-6	0.01
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
VIII	134	4,4'-oxydianiline and its salts	101-80-4	0.05
VIII	135	Lead oxide sulfate*	12036-76-9	0.01
VIII	136	Lead bis(tetrafluoroborate)*	13814-96-5	0.01
VIII	137	Silicic acid, lead salt*	11120-22-2	0.01
VIII	138	N,N-dimethylformamide	68-12-2	0.05
IX	139	Cadmium	7440-43-9	0.01
IX	140	Cadmium oxide*	1306-19-0	0.01
IX	141	Dipentyl phthalate (DPP)	131-18-0	0.05
IX	142	①4-Nonylphenol, branched and linear, ethoxylated*[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]*	-	0.05
IX	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.05
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.05
X	145	①Trixylyl phosphate	25155-23-1	0.05
X	146	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.05
X	147	Dihexyl phthalate	84-75-3	0.05
X	148	Cadmium sulphide*	1306-23-6	0.01
X	149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'- diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	0.05
X	150	Lead di(acetate)*	301-04-2	0.01
X	151	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.05
XI	152	①1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.05
XI	153	Cadmium chloride*	10108-64-2	0.01
XI	154	②Sodium perborate; perboric acid, sodium salt*****	15120-21-5 11138-47-9	0.01
XI	155	②Sodium peroxometaborate*****	7632-04-4	0.01
XII	156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.05
XII	157	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.05
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl- 7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*	15571-58-1	0.05
XII	159	Cadmium fluoride*	7790-79-6	0.01
XII	160	Cadmium sulphate*	10124-36-4 31119-53-6	0.01

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Batch	No.	Substance Name(s)	CAS No.	RL (%)
XII	161	①Reaction mass of 2-ethylhexyl 10- ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)*	-	0.05
XIII	162	①1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5 68648-93-1	0.05
XIII	163	①5-sec-butyl-2-(2,4- dimethylcyclohex-3-en-1-yl)-5- methyl-1,3- dioxane [1], 5-sec- butyl-2-(4,6- dimethylcyclohex- 3-en-1-yl)- 5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	0.05
XIV	164	Nitrobenzene	98-95-3	0.05
XIV	165	2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.05
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.05
XIV	167	1,3-propanesultone	1120-71-4	0.05
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.05
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.05
XVI	170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	0.05
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	0.05
XVI	172	*p*-(1,1-dimethylpropyl)phenol	80-46-6	0.05
XVI	173	①4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.05
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	0.05
XVIII	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	0.05
XVIII	176	Benzo[a]anthracene	56-55-3	0.05
XVIII	177	Cadmium nitrate*	10325-94-7	0.01
XVIII	178	Cadmium carbonate*	513-78-0	0.01
XVIII	179	Cadmium hydroxide*	21041-95-2	0.01
XVIII	180	Chrysene	218-01-9	0.05
XVIII	181	①Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]	-	0.05
XIX	182	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.05
XIX	183	Decamethylcyclopentasiloxane (D5)	541-02-6	0.05
XIX	184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.05
XIX	185	Lead	7439-92-1	0.01
XIX	186	Disodium octaborate*	12008-41-2	0.01
XIX	187	Benzo[ghi]perylene	191-24-2	0.05
XIX	188	①Terphenyl, hydrogenated	61788-32-7	0.05
XIX	189	Ethylenediamine (EDA)	107-15-3	0.05

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Batch	No.	Substance Name(s)	CAS No.	RL (%)
XIX	190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.05
XIX	191	Dicyclohexyl phthalate (DCHP)	84-61-7	0.05
XX	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.05
XX	193	Benzo[k]fluoranthene	207-08-9	0.05
XX	194	Fluoranthene	206-44-0	0.05
XX	195	Phenanthrene	85-01-8	0.05
XX	196	Pyrene	129-00-0	0.05
XX	197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	0.05
XXI	198	2,3,3,3-tetrafluoro-2- (heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.05
XXI	199	2-methoxyethyl acetate	110-49-6	0.05
XXI	200	4-tert-butylphenol	98-54-4	0.05
XXI	201	①Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.05
XXII	202	2-benzyl-2-dimethylamino-4'- morpholinobutyrophenone	119313-12-1	0.05
XXII	203	2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one	71868-10-5	0.05
XXII	204	Diisohexyl phthalate	71850-09-4	0.05
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.05
XXIII	206	1-vinylimidazole	1072-63-5	0.05
XXIII	207	2-methylimidazole	693-98-1	0.05
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.05
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin*	22673-19-4	0.05
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.05
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety*	-	0.05
XXV	212	1,4-dioxane	123-91-1	0.05
XXV	213	2,2-bis(bromomethyl) propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	0.05
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.05
XXV	215	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	0.05
XXV	216	Glutaral	111-30-8	0.05
XXV	217	①Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.05
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.01
XXV	219	①Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.05
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.05
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	0.05
XXVI	222	S-(tricyclo[5.2.1.$0^{2,6}$]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.05
XXVI	223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.05

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Batch	No.	Substance Name(s)	CAS No.	RL (%)
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.05
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis [2,4,6-tribromobenzene]	37853-59-1	0.05
XXVIII	226	2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol (TBBPA)	79-94-7	0.05
XXVIII	227	4,4'-sulphonyldiphenol (BPS)	80-09-1	0.05
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.01
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.05
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.05
XXVIII	231	Melamine	108-78-1	0.05
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.05
XXVIII	233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	0.05
XXIX	234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.05
XXIX	235	Bis(4-chlorophenyl) sulphone	80-07-9	0.05
XXX	236	2,4,6-tri-tert-butylphenol (2,4,6-TTBP)	732-26-3	0.05
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.05
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.05
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.05
XXX	240	①Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.05
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.05
XXXI	242	Triphenyl phosphate	115-86-6	0.05
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid	2156592-54-8	0.05
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.05
XXXII	245	Octamethyltrisiloxane	107-51-7	0.05
XXXII	246	Perfluamine	338-83-0	0.05
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.05
XXXIII	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.05
XXXIII	249	Decamethyltetrasiloxane	141-62-8	0.05
XXXIII	250	Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl] amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl} diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.05
XXXIV	251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]	84852-53-9	0.05
XXXV	252	N-hexane	110-54-3	0.05
XXXV	253	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts	-	0.05

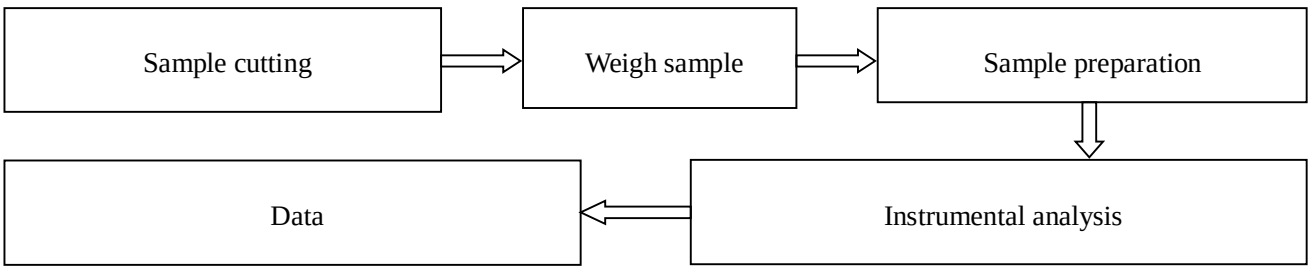
List of intention for identification of SVHC

Batch	No.	Substance Name(s)	CAS No.	RL (%)
※	1	Resorcinol	108-46-3	0.05

REACH Regulation obligation:

1. In accordance with Article 7(2) of the EU REACH Regulation (No. 1907/2006), any producer or importer of articles shall notify the European Chemicals Agency as stipulated in Article 7(4), if an article contains a substance from the Candidate List of Substances of Very High Concern (SVHCs) and both the following conditions are met:
   (a) the substance is present in those articles in quantities totalling over one tonne per producer or importer per year;
   (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
2. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of EU REACH Regulation (No. 1907/2006).
   1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
   2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
3. In accordance with Article 31 of the EU REACH Regulation (No. 1907/2006), the supplier of a substance or a mixture shall provide the recipient of the substance or mixture with a safety data sheet (SDS) for free compiled in accordance with Annex II of REACH.
   1) where a substance or mixture meets the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008; or
   2) where a substance is persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII; or
   3) where a substance is included in the list established in accordance with Article 59(1) for reasons other than those referred to in points (a) and (b);
   4) the supplier shall provide the recipient at his request with a safety data sheet (SDS) compiled in accordance with Annex II, where a mixture does not meet the criteria for classification as hazardous in accordance with Titles I and II of Regulation (EC) No 1272/2008, but contains:
   (a) in an individual concentration of ≥ 1 % by weight for non-gaseous mixtures and ≥ 0.2 % by volume for gaseous mixtures at least one substance posing human health or environmental hazards; or
   (b) in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures at least one substance that has been included in the Candidate List of Substances of Very High Concern (SVHCs); or
   (c) a substance for which there are Community workplace exposure limits.
4. Companies supplying articles containing Substances of Very High Concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market have to submit information on these articles to ECHA in accordance with Waste Framework Directive (WFD) (No 2008/98, as from 5 January 2021.

Test Process



Test Report

Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

*** End of Report ***

产品规格书
Product Specification

产品名称 Product Name	不收缩 HPVC 套管 Non-Shrinkable HPVC Tubing
规格 Size	Φ1.0~Φ30.0

编制/日期 PREPARE/DATE	审核/日期 AUDIT DATE	审批/日期 AUTHORIZE/DATE
黄恒辉/2025-08-01 Henghui Huang/2025-08-01	王博/2025-08-01 Wang Bo/2025-08-01	邵碧波/2025-08-01 Bibo Shao/2025-08-01
会审 JOINT TRIAL	史朝阳、文贵兵、赵草环、赵福花、王少鹏、庞楚雄、黄利秋	

公司地址：深圳市坪山区龙田街道兰景北路沃尔工业园

Address: Woer Industrial Park, Lanjing North Road, Longtian Street,Pingshan District, Shenzhen,

邮　编 P.C：518118

电　话 TEL：0755-28299013

传　真 FAX：0755-28299013

网　址 SITE：www.woer.com

1. 不收缩HPVC套管产品介绍

1. Non-Shrinkable HPVC Tube Performance Parameter

1.1 产品简介

1.1 Product Introduction

不收缩 **HPVC** 套管是一种柔软不收缩套管，具有良好的电气及物理性能。广泛应用于电子元件、家电、汽车、机械、玩具、马达及变压器等领域产品。

Non-shrinkable HPVC tubing is a flexible non-shrinkable tubing which has excellent electrical and physical performances. The tubing is suitable for insulation purpose of electronics, automobile, small electrical parts, lead wires of toy motors and transformers etc..



1.2 特性

1.2 Features

项目 Item	性能指标 Performance index
老化温度 Heat-Aging Temperature	105℃*168H
电压等级(V) Potential rating	300V/600V
耐压 Dielectric Voltage	2.5kv/60s，不击穿 2.5kv/60s，No breakdown
拉伸强度(MPa) Tensile strength	≥10.4
断裂伸长率(%) Ultimate elongation	≥100
冷弯曲(-10℃*1h) Cold bend	无裂纹 NO Cracking
最大轴向变化 Maximum longitudinal change	±10%
环保 Enviroment	RoHS 2.0

2. 不收缩HPVC套管规格

2. Non-Shrinkable HPVC Tube Specification

规格尺寸表 Dimension							
规格 Size	内径 Inside Diameter		壁厚 Thickness				包装（米/卷） Package（m/roll）
	平均 AVG	公差 Range	300V		600V		
			平均 AVG	公差 Range	平均 AVG	公差 Range	
	mm	mm	mm	mm	mm	mm	
φ 1.0	1.0	±0.1	0.35	-0.04，+0.04	0.50	-0.05，+0.05	500
φ 1.5	1.5	±0.1	0.35	-0.04，+0.04	0.60	-0.05，+0.05	500
φ 2.0	2.0	±0.2	0.35	-0.04，+0.04	0.60	-0.05，+0.05	500
φ 2.5	2.5	±0.2	0.35	-0.04，+0.04	0.60	-0.05，+0.05	500
φ 3.0	3.0	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	500
φ 3.5	3.5	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	500
φ 4.0	4.0	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	500
φ 4.5	4.5	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 5.0	5.0	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 5.5	5.5	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 6.0	6.0	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 6.5	6.5	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 7.0	7.0	±0.3	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 7.5	7.5	±0.4	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 8.0	8.0	±0.4	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 8.5	8.5	±0.4	0.50	-0.05，+0.05	0.60	-0.05，+0.05	300
φ 9.0	9.0	±0.4	0.50	-0.05，+0.05	0.60	-0.05，+0.05	200
φ 9.5	9.5	±0.4	0.60	-0.05，+0.05	0.60	-0.05，+0.05	200
φ 10.0	10.0	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	200
φ 10.5	10.5	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	200
φ 11.0	11.0	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	200
φ 11.5	11.5	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	200
φ 12.0	12.0	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	100
φ 12.5	12.5	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	100
φ 13.0	13.0	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	100
φ 13.5	13.5	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	100
φ 14.0	14.0	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	100

φ 14.5	14.5	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	100
φ 15.0	15.0	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	100
φ 15.5	15.5	±0.5	0.60	-0.05，+0.05	0.60	-0.05，+0.05	100
φ 16.0	16.0	±0.5	0.75	-0.08，+0.08	0.75	-0.08，+0.08	50
φ 16.5	16.5	±0.5	0.75	-0.08，+0.08	0.75	-0.08，+0.08	50
φ 17.0	17.0	±0.5	0.75	-0.08，+0.08	0.75	-0.08，+0.08	50
φ 17.5	17.5	±0.5	0.75	-0.08，+0.08	0.75	-0.08，+0.08	50
φ 18.0	18.0	±0.5	0.75	-0.08，+0.08	0.75	-0.08，+0.08	50
φ 18.5	18.5	±0.5	0.75	-0.08，+0.08	0.75	-0.08，+0.08	50
φ 19.0	19.0	±0.7	0.80	-0.08，+0.08	0.80	-0.08，+0.08	50
φ 19.5	19.5	±0.7	0.80	-0.08，+0.08	0.80	-0.08，+0.08	50
φ 20.0	20.0	±1.0	0.80	-0.08，+0.08	0.80	-0.08，+0.08	50
φ 22.0	22.0	±1.0	0.80	-0.08，+0.08	0.80	-0.08，+0.08	50
φ 24.0	24.0	±1.0	0.80	-0.08，+0.08	0.80	-0.08，+0.08	50
φ 26.0	26.0	±1.0	1.0	-0.10，+0.10	1.0	-0.10，+0.10	50
φ 28.0	28.0	±1.0	1.0	-0.10，+0.10	1.0	-0.10，+0.10	50
φ 30.0	30.0	±1.5	1.1	-0.10，+0.10	1.1	-0.10，+0.10	50

注：1、以上 1.2 特性和 2 规格型号为典型值，请按照产品具体使用环境测试验证。

2、其他尺寸可以定制；以上内容如有歧义以中文为准。

Remark:

1. The above 1.2 performance and 2 specification models are typical values.Test and verify according to the specific application environment of the product.

2. If Chinese and English content have some different things, the Chinese content is right.

Test Report (SVHC)

Client Name: SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO., LTD

Client Address: WOER INDUSTRIAL PARK, LANJING NORTH ROAD, LONGTIAN STREET,PINGSHAN DISTRICT, SHENZHEN, GUANGDONG.

Sample Name: PVC Tubing

The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-062396

Sample Receiving Date: Dec 11, 2025

Testing Period: Dec 11, 2025 ~ Dec 17, 2025

Test Requested: As requested by client, SVHC in Candidate List screening is performed according to:
(i) Two hundred and fifty-one (251) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.
As requested by client, Potential SVHC screening is performed according to:
(i) One (1) potential Substances of Very High Concern (SVHC) in the Identification ongoing.
(ii) Three (3) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Nov 5, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the results of 251 SVHC in the Candidate List are ≤ 0.1% (w/w) in the submitted sample.	Pass
According to the specified scope and evaluation screening, the results of 4 Potential SVHC are ≤ 0.1% (w/w) in the submitted sample.	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

Scan to see the report

5D48F1ED

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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

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Member of the SGS Group (SGS SA)

(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	White plastic tube+Colorless transparent plastic tube+Black plastic tube	A4	CAN25-0308926-0001.C004

Test Method:
With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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Result of SVHC in the Candidate List

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

Result of Potential SVHC

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
/	All Potential SVHC	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5) / = Potential SVHC

(6) Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Technical Services Co., Ltd. Chemical Laboratory
检验检测专用章 Inspection & Testing Services

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Appendix:

Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Anthracene oil**	90640-80-5	0.050
II	18	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	19	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	20	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	21	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	22	Diisobutyl phthalate	84-69-5	0.050
II	23	Lead chromate*	7758-97-6	0.005
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	26	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	27	Tris(2-chloroethyl)phosphate	115-96-8	0.050
II	28	Acrylamide	79-06-1	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.050
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
		and its acyl halides (covering any of their individual isomers and combinations thereof)		
XXI	199	2-methoxyethyl acetate	110-49-6	0.050
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.050
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.050
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050
XXXI	242	Triphenyl phosphate	115-86-6	0.050
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.050
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.050
XXXII	245	Octamethyltrisiloxane	107-51-7	0.050
XXXII	246	Perfluamine	338-83-0	0.050
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.050
XXXIII	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
XXXIII	249	Decamethyltetrasiloxane	141-62-8	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXXIII	250	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.050
XXXIV	251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	84852-53-9	0.050
/	252	Resorcinol	108-46-3	0.050
/	253	n-hexane	110-54-3	0.050
/	254	4,4'-methylenediphenol (BPF)	620-92-8	0.050
/	255	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (BPAF) and its salts	-	0.050

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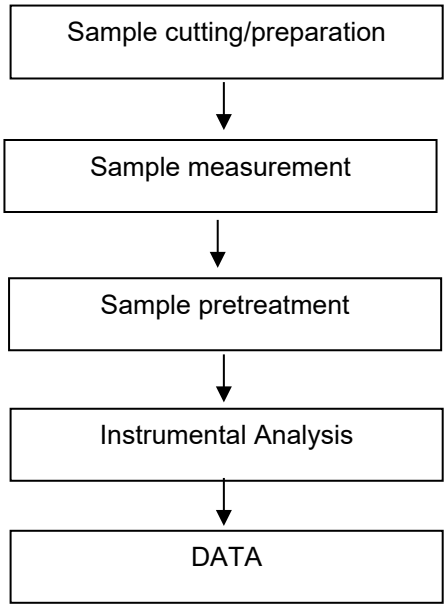
Testing Flow Chart



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Sample photos:



CAN25-0308926-0001.C004

SGS authenticate the photo on original report only

*** End of Report ***

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Test Report

No.: CANEC25030892629 **Date:** Dec 17, 2025

Client Name: SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO., LTD

Client Address: WOER INDUSTRIAL PARK, LANJING NORTH ROAD, LONGTIAN STREET,PINGSHAN DISTRICT, SHENZHEN, GUANGDONG.

Sample Name: PVC Tubing

The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-062396

Sample Receiving Date: Dec 11, 2025

Testing Period: Dec 11, 2025 ~ Dec 17, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen
Approved Signatory

Scan to see the report

50F4C114

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	CAN25-0308926-0001.C005	White plastic tube+Colorless transparent plastic tube+Black plastic tube

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Unit(s)	MDL	A5
Lead (Pb)	mg/kg	2	ND
Mercury (Hg)	mg/kg	2	ND
Cadmium (Cd)	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	mg/kg	8	ND
Polybromobiphenyl (PBB)	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	mg/kg	5	ND

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Test Item(s)	Unit(s)	MDL	A5
Octabrominated diphenyl ether (OctaBDE)	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	mg/kg	50	ND
Dibutyl phthalate (DBP)	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	mg/kg	50	ND

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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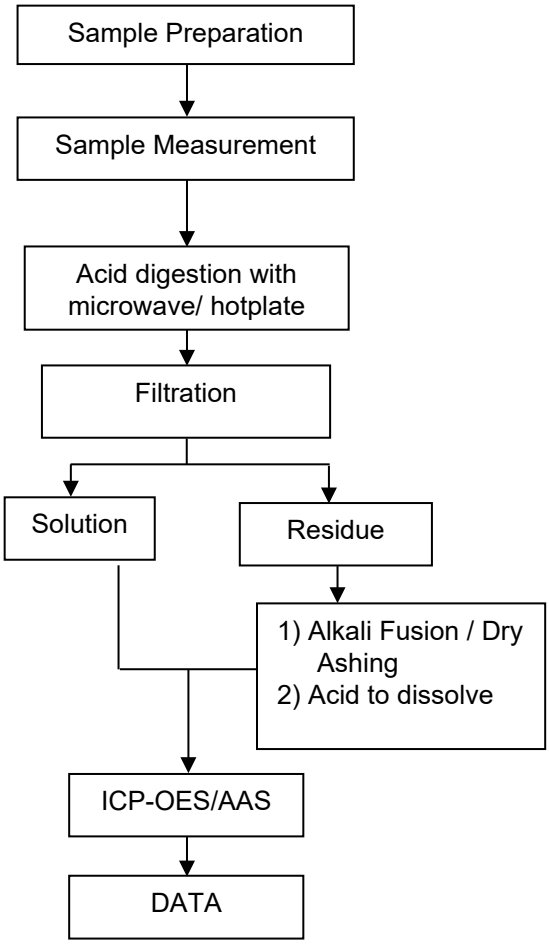
Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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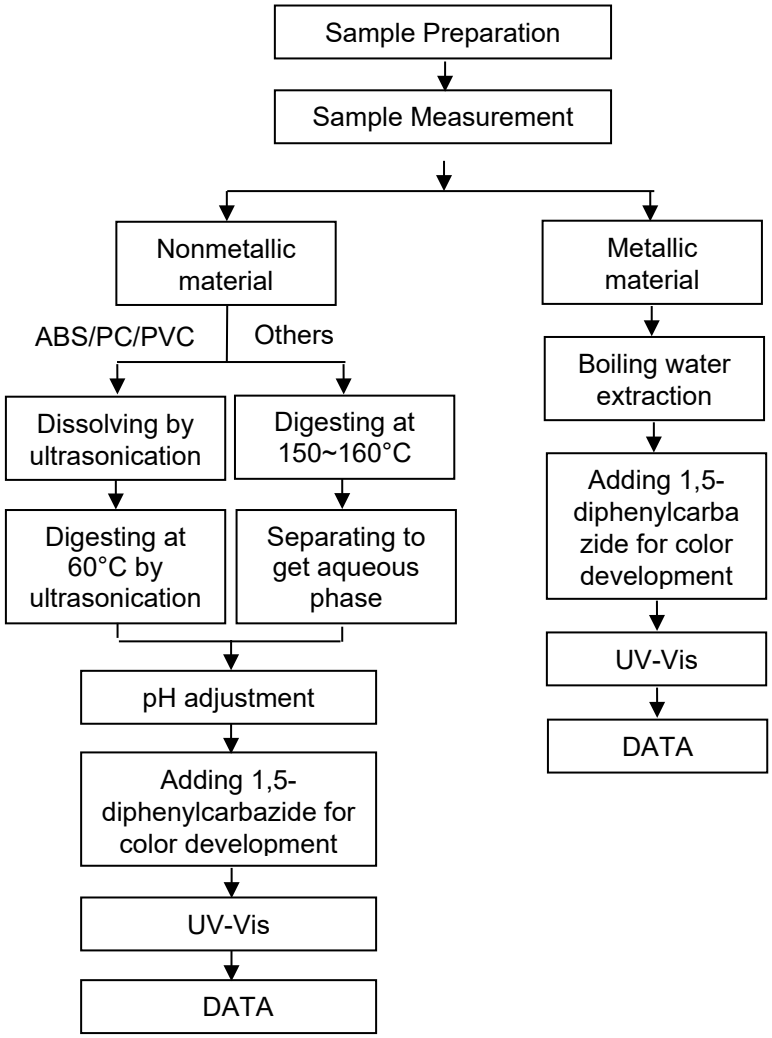
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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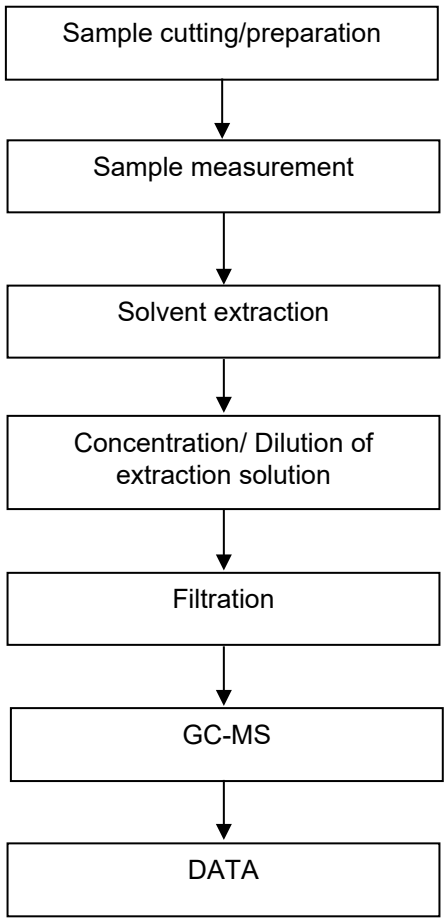
PBB(s)/PBDE(s) Testing Flow Chart



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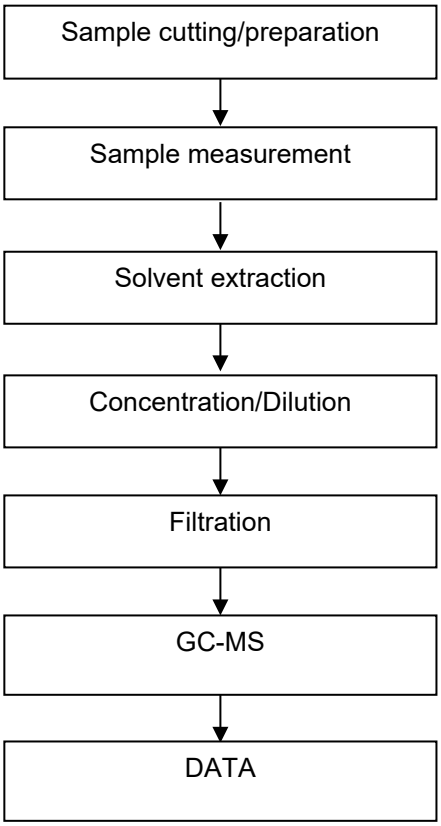
ATTACHMENTS

Phthalates Testing Flow Chart



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Sample Photo:



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Member of the SGS Group (SGS SA)

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

WIRING HARNESSES - COMPONENT
(ZPFW2, ZPFW8)

Manufacturer:	SEE ADDENDUM FOR MANUFACTURER LOCATIONS
Applicant:	2743384 (Party Site) Jawsstech Technologies Co Ltd 3F-3 No 171 Sec 2 Datong Rd Xizhi District New Taipei 221424 TW
Recognized Company:	2743384 (Party Site) SAME AS APPLICANT

Use of the Mark

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party. The UL Contracting Party for Follow-Up Services is listed in the addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

It is the responsibility of the Applicant, Manufacturer(s), and Recognized Company to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

Additional Responsibilities

Additional responsibilities, duties and requirements for the Applicant and Manufacturers are defined under Additional Resources at the following web-site: http://www.ul.com/fus. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the Follow-Up Service Terms referenced below, please contact UL's Customer Service at http://www.ul.com/aboutul/locations/, select a location and enter your request, or call the number listed for that location.

Acceptance of Follow-Up Services

The Applicant and the specified Manufacturer(s) and any Recognized Company in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable service agreement is a Global Services Agreement ("GSA"), the Applicant, the specified Manufacturer(s), and any Recognized Company will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of a) use of the prescribed UL Mark, b) acceptance of the factory inspection, or c) payment of the Follow-Up Service fees. The Service Agreement incorporates such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking the following link: http://services.ul.com/fus-service-terms. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

Use and Ownership of the Follow-Up Service Procedure

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the Applicant, the specified Manufacturer(s), and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding

that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Definition of Terms

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

No Third Party Liability

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

Certification Body

UL LLC has signed below solely in its capacity as the certification body to indicate that this Follow-Up Service Procedure fulfills the requirements for certification documentation issued by the certification body.

Bruce A. Mahrenholz
Director
Conformity Assessment Programs (CPO)
UL LLC

LOCATION

628366 (Party Site)
(732399-001) CHARMWIN PLASTIC & ELECTRONIC (SHENZHEN) CO LTD
6Th Bldg Xingda Industrial Park
10 Jixiang San Rd Pingdi St
Longgang District
Shenzhen Guangdong 518117 CN
Factory ID: K
UL Contracting Party for above site is: UL GmbH