承 認 書

客戶名稱	鈺 緯 科 技	品名規格	
客戶料號	3KH00279000(K1189)	稳德料号	
使用機型		成品單重	
認可日期	2024年10月23日	材料種類	

客戶簽認		
設計驗證 工程課 2024-12-10 發行 鈺緯科技開發股份有限公司		
核　准	核對	經辦

廠商簽認		
核　准	核 對	經 辦
	陳熙偉	曾貴梅

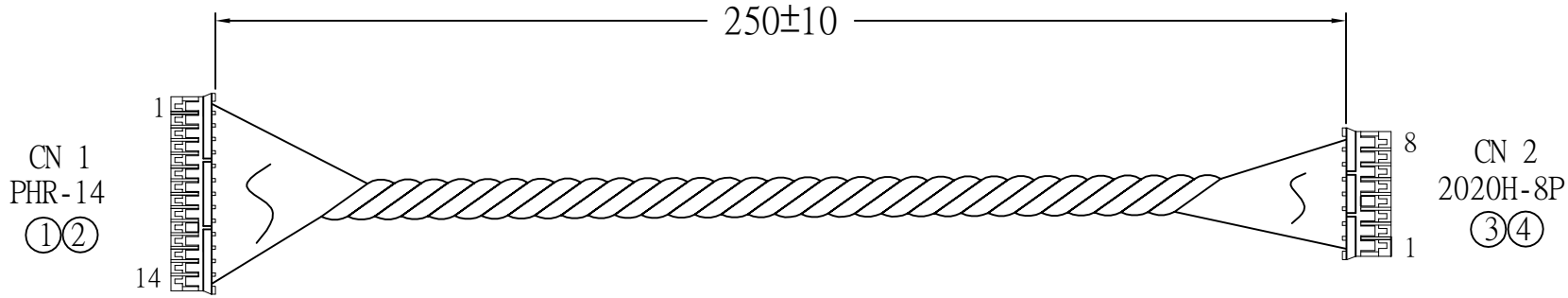
东莞穩德電子有限公司

地址：廣東省東莞市虎門鎮新聯高科技工業區

TEL:(0769)85509740　　FAX:(0769)85504618

http://www.wentek.com.tw　　E-mail:sales@dgwender.com.cn

DRAWING:
(成品圖)



CN 1	COLOR	CN 2
1	X	
2	藍	7
3	白	8
4~6	X	
7	黑	6
8	黑	5
9	黑	4
10~11	X	
12	紅	3
13	紅	2
14	紅	1

備註;
1.裁線長度：2.5 x 273 x 2.5
2.測試條件:
>測試電壓:300 V.DC.
>導通阻抗:2Ω(MAX).
>絕緣阻抗:20MΩ(MIN).

設計驗證
工程課
2024-12-10
發行
鈺緯科技開發股份有限公司

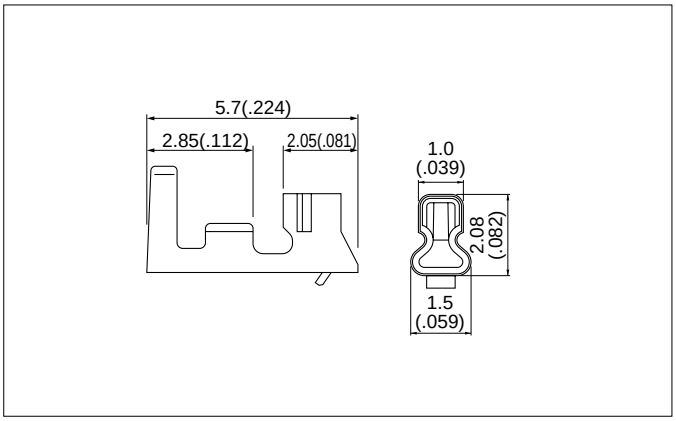
NO. 項次	Description 規格說明	Unit 單位	Q"TY 單用量	Remark 備注
5	UL1007#24 藍,白 L=273	PCS	各1	眾達
4	UL1007#24 黑,紅 L=273	PCS	各3	眾達
4	HSG:2020H-8P	PCS	1	旗欣
3	TER:2012P	PCS	8	旗欣
2	TER:SPH-002T-P0.5S	PCS	8	JST
1	HSG:PHR-14	PCS	1	JST

No. 項次	Date 日期	Design Change Record 變更記錄	Confirm 確認

Approval 檢查規范			
Approve 核准	Check 复核	Confirm 確認	Draw By 繪圖

ISSUE NO. 版次	REV. A	Customer 客戶名稱	鈺緯科技	WEN DE ELECTRONICS CO.,LTD
	Unit : mm 單位	Drawing No. 品名		
A	Scale : 比例	PART NO. 料號	3KH00279000 (K1189)	
	2022.09.28	DRAW NO. 繪圖編號		

Contact

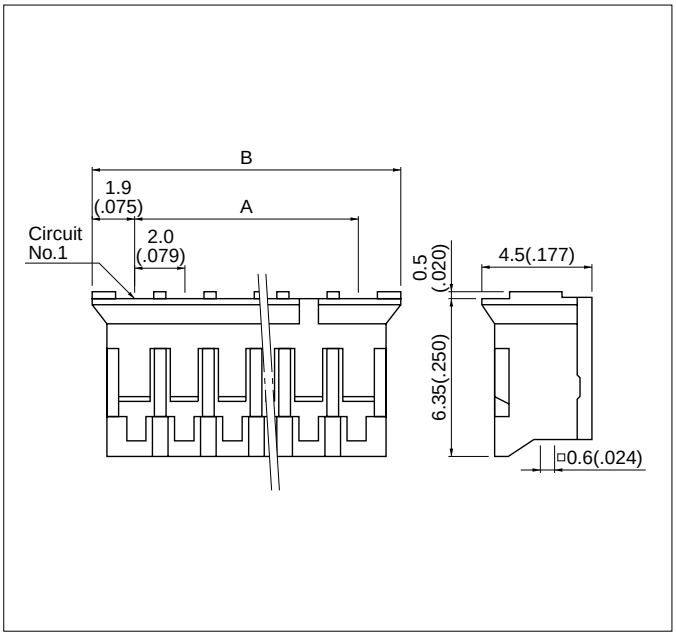


Model No.	Applicable wire			Q'ty / reel
	mm²	AWG #	Insulation O.D. mm(in.)	
SPH-002T-P0.5S	0.05 to 0.22	30 to 24	0.9 to 1.5(.035 to .059)	8,000
SPH-004T-P0.5S	0.032 to 0.08	32 to 28	0.5 to 0.9(.020 to .035)	10,000

Material and Finish
Phosphor bronze, tin-plated

Note: 1. When using AWG#32 or #30 wires, reflow-treated headers (Low insertion force type, Model no. B#B-PH-KL or S#B-PH-KL) are recommendable.
2. Contact JST for gold-plated contacts.

Housing



Cir-cuits	Model No.	Dimensions mm(in.)		Q'ty / box
		A	B	
2	**PHR- 2**	2.0(.079)	5.8(.228)	1,000
3	**PHR- 3**	4.0(.157)	7.8(.307)	1,000
4	**PHR- 4**	6.0(.236)	9.8(.386)	1,000
5	**PHR- 5**	8.0(.315)	11.8(.465)	1,000
6	**PHR- 6**	10.0(.394)	13.8(.543)	1,000
7	**PHR- 7**	12.0(.472)	15.8(.622)	1,000
8	**PHR- 8**	14.0(.551)	17.8(.701)	1,000
9	**PHR- 9**	16.0(.630)	19.8(.780)	1,000
10	**PHR-10**	18.0(.709)	21.8(.858)	1,000
11	**PHR-11**	20.0(.787)	23.8(.937)	1,000
12	**PHR-12**	22.0(.866)	25.8(1.016)	1,000
13	**PHR-13**	24.0(.945)	27.8(1.094)	1,000
14	**PHR-14**	26.0(1.024)	29.8(1.173)	1,000
15	**PHR-15**	28.0(1.102)	31.8(1.252)	1,000
16	**PHR-16**	30.0(1.181)	33.8(1.331)	1,000

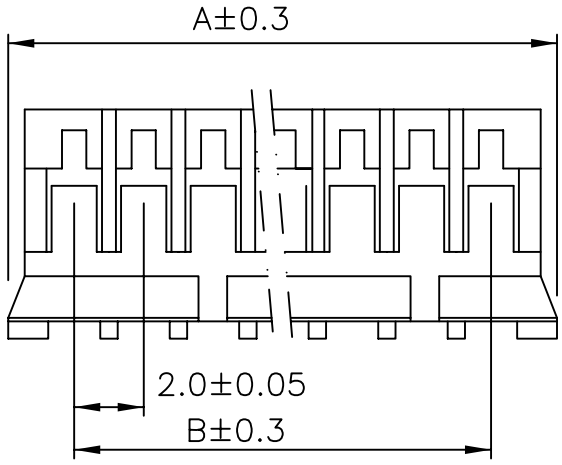
Material and Finish
Nylon 66, UL94V-0, natural (white)

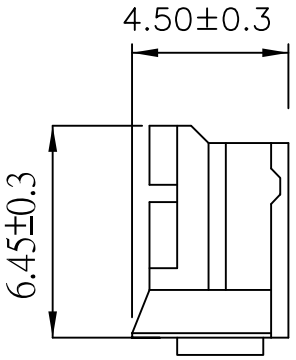
<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ex. **PHR-2-oo**
(blank)…natural (white)
BK…black R…red TR…tomato red BL…blue Y…yellow
L…lemon yellow M…green D…orange N…brown
P…purple PK…pink H…gray LE…light blue
FY…vivid yellow

EVER-CONN

2020 SERIES





PART NO.	A	B
2020-02	5.8	2.0
2020-03	7.8	4.0
2020-04	9.8	6.0
2020-05	11.8	8.0
2020-06	13.8	10.0
2020-07	15.8	12.0
2020-08	17.8	14.0
2020-09	19.8	16.0
2020-10	21.8	18.0

PART NO.	A	B
2020-11	23.8	20.0
2020-12	25.8	22.0
2020-13	27.8	24.0
2020-14	29.8	26.0
2020-15	31.8	28.0
2020-16	33.8	30.0
2020-17	35.8	32.0
2020-18	37.8	34.0
2020-19	39.8	36.0
2020-20	41.8	38.0

MAT'L:NYLON 66 UL94V-0

CURRENT RATING:2A AC,DC

VOLTAGE RATING:250V AC DC

MATES WITH:2012P SERIES TERMINAL

ACCEPTS WITH:2021 & 2022 SERIES WAFER

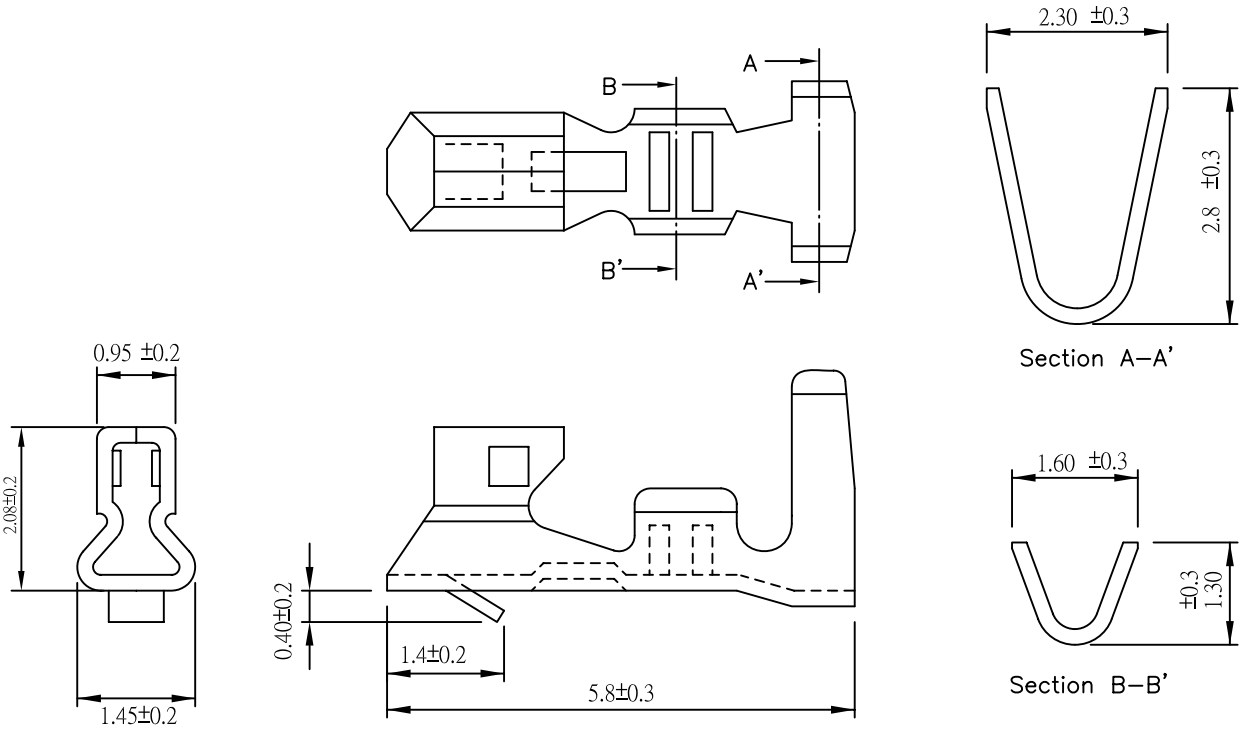
UL FILE:E115256

REMARKS REV 0

TOLERANCES LNLESS OTHERWISE SPECIFIED										
		±0.4	±0.5	MARK	REVISED	CLN	REVISER		SCALE	/	mm
	PARTITION	20-40	40 UP	ISSUER	LAY	CHECK			ANGLE	3TH ANGLE
	TYPE	±0.2	±0.3	旗欣股份有限公司 EVER CONNECTOR INDUSTRIAL CO.,LID					DATE 10.04.17	DWG NO. 2020
	PARTITION	1-10	10-20							

EVER-CONN
E.C.I.

2012P SERIES



2012P SERIES
MAT'L:PHOSPHOR BRONZE
TREATMENT:TIN PLATED
THICKNESS:0.2mm
MATES:2020 SERIES HOUSING
MATES WITH 2021 & 2022 SERIES WAFER
ACCEPTS:0.5mm (.02") SQUIRE OR ROUND PIN
INS. O.D.:1.3mm-0.8mm
WIRE RANGE:AWG#24~30
CURRENT RATING:2A AC,DC
VOLTAGE RATING:250V AC,DC
UL FILE NO:E115256

ウニオ REMARKS REV 0												
									TITLE	MATERIAL	FINISH	
TOLERANCES UNLESS OTHERWISE SPECIFIED	TYPE	±0.4	±0.5	MARK	REVISED	Y. M. D.	REVISER		ACALE	/	UNIT	mm
	PARTITION	20-40	40 UP	ISSUER	YANG	CHECK			ANGLE		3TH ANGLE	
	TYPE	±0.2	±0.3	旗欣股份有限公司 EVER CONNECTOR INDUSTRIAL CO., LID.					DATE	05.5.31	DWG NO.	2012P
	PARTITION	1-10	10-20									

UL 1007 HOOK-UP WIRE
80℃ 300V PVC 電子線

UL Subject758

UL FILE NO：E309338

▲說明：

- 導體使用單條或絞線 32-16AWG 裸銅或鍍錫銅
- 非移 PVC 絕緣
- 額定溫度：80°C，額定電壓：300 Volts
- 可通過 UL VW-1 及 CSA F t1，垂直型耐燃測試

Product Description:

- Tinned, annealed, stranded or Solid copper conductor,32-16AWG
- Color-coded PVC insulation
- Rated temperature: 80°C,Rated voltage: 300 Volts
- Passed UL VW-1 & CSA FT1 vertical flame test

▲ 應用：

- 一般電子、電器設備內部配線。

Applications:

- For general purpose internal wiring of electrical, and electrical equipment

構造和電氣性能

Structure & electric properties



CUL 1007	額定 Range		導體 Conducor		絕緣體 Insulation		公差值 Tolerance mm	最大導體阻抗 Maximum Conductor Resistance Ω/km	容許電流 Permitable Current A	最小絕緣阻抗 Minimum Insulation Resistance Ω/km	絕緣耐電壓 (VAC/min) Insulation Potential Strength
	溫度 Temp °C	電壓 Voltage V	線號 AWG	構成 No./mm	厚度 Thickness mm	外徑 O.D. mm					
多芯線 Stranded	UL 80°C CSA 90°C	300V	32	7/0.080	0.38	1.00	±0.10	703.0	1.60	15	2000
			30	7/0.100	0.38	1.10	±0.10	397.0	2.0		
			28	7/0.127	0.38	1.20	±0.10	248.0	2.5		
			26	7/0.160	0.38	1.30	±0.10	152.0	3.5		
			24	11/0.160	0.38	1.45	±0.10	88.6	5.0		
			22	17/0.160	0.38	1.60	±0.10	62.5	7.0		
			20	21/0.180	0.38	1.85	±0.10	39.5	9.0		
			18	34/0.180	0.38	2.10	±0.10	24.4	13.0		
			16	26/0.254	0.38	2.40	±0.10	15.6	17.0		

UL 1007 HOOK-UP WIRE
80℃ 300V PVC 電子線

UL Subject758 UL FILE NO：E309338

STYLE			UL 1007								
RATING TEMP / VOLT			80℃/300V								SAME AS UL
CONDUCTOR	SIZE		AWG	30	28	26	24	22	20	18	16
	NUMBER		NO.	7	7	7	11	17	21	34	26
	DIAMETER		MM	0.100	0.127	0.160	0.160	0.160	0.180	0.180	0.254
	MIN.DIAMETER		MM	0.090	0.117	0.150	0.150	0.150	0.170	0.170	0.243
	COROSS SEC AREA OF COND	AVG	CM	100	159	253	404	640	1020	1620	2580
		MIN		98	156	248	392	621	989	1571	2503
	LAY OF BUNCH		INCH	0.50	0.50	0.60	0.70	0.80	1.25	2.00	2.00
	MAX.RESISTANCE		Ω/KM	397	248	152	88.6	62.5	39.5	24.4	15.6
INSULATION	O.D.(±0.10)		MM	1.10	1.20	1.30	1.45	1.60	1.85	2.10	2.40
	INSULATION THICKNESS	AVG	MIL	15							15
		MIN		13							13
	JACKET THICKNESS	AVG	MIL								
		MIN									
INSULATION RESISTANCE			MΩ/KM	15							
SPARK TEST			KV	3							
ELONGATION			%	100							
TENSIL STRENGTH			PSI	1500							121℃/168HRS
ELO.(AFTER AGING)			%	OF UNAGED 65							
TEN.ST.(AFTER AGING)			%	OF UNAGED 70							
AGING TEMP TIME				113℃/168HRS							
OIL LMMERSION TEST				100℃/96HRS 50%							
FIAME TEST				VW-1							
HEAT SHOCK TEST				121℃/1HR 1.60MM MANDREL							
DEFORMATION TEST				100℃/96HR 250G 50%							131℃/1HR 150G 50%
COLD BEND TEST				-10℃/1HR 3.2MM MANDREL							-15℃/1HR
INSULATION POTENTIALST				2KVAC/min							

印 字 內 容： AWM 1007 VW-1 80°C 300V E309338 （16-30）AWG KAI TAT CO

C AWM I A 90° C 300V （16-30）AWG FT1 -LF-

Test Report

No.: CANEC24011610701 **Date:** Jun 05, 2024

Client Name: SHENZHEN CHEN JIA TECHNOLOGY CO., LTD.

Client Address: RM506,SHIYUAN CENTER,FENGHUA GARDEN,BAISHIXIA,FUYONG TOWN,BAOAN DISTRICT,SHENZHEN

Sample Name:	TERMINAL
Model No.:	SPS-01T-187
Material No.:	SPS-01T-187
Client Ref. Information:	SEE REMARK
Main Substance:	copper alloy , phosphor bronze, copper alloy tin-plated, copper alloy, gold-plated, phosphor bronze tin-plated, phosphor bronze gold-plated
Manufacturer:	J.S.T Mfg. Co. LTD

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

SGS Job No.:	GZP24-017914
Sample Receiving Date:	May 31, 2024
Testing Period:	May 31, 2024 ~ Jun 05, 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 and Hexavalent chromium	Pass

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

Arsene Ye

Arsene Ye
Approved Signatory

scan to see the report
BA7758AE

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
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 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0116107-0001.C001	Silvery 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 and Hexavalent chromium

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

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	22
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	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.

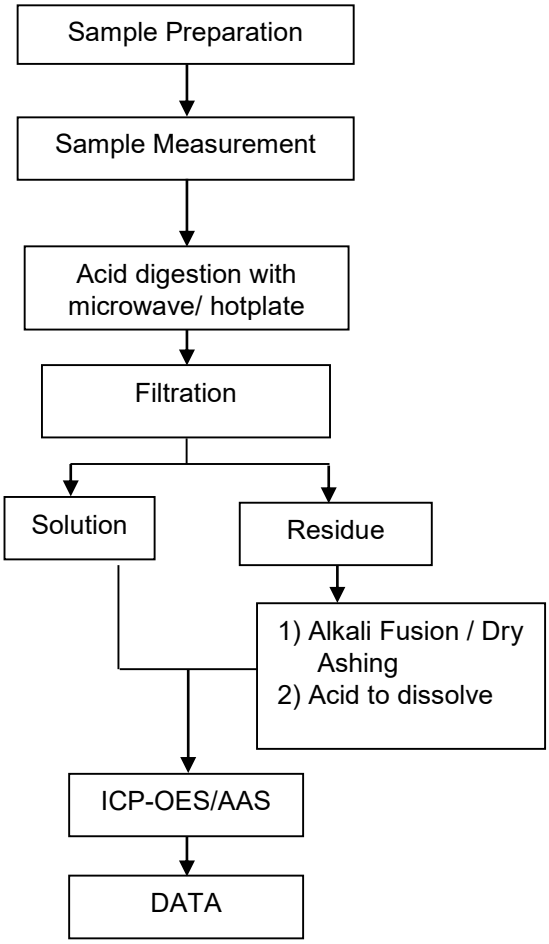
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

ATTACHMENTS

Elements Testing Flow Chart

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



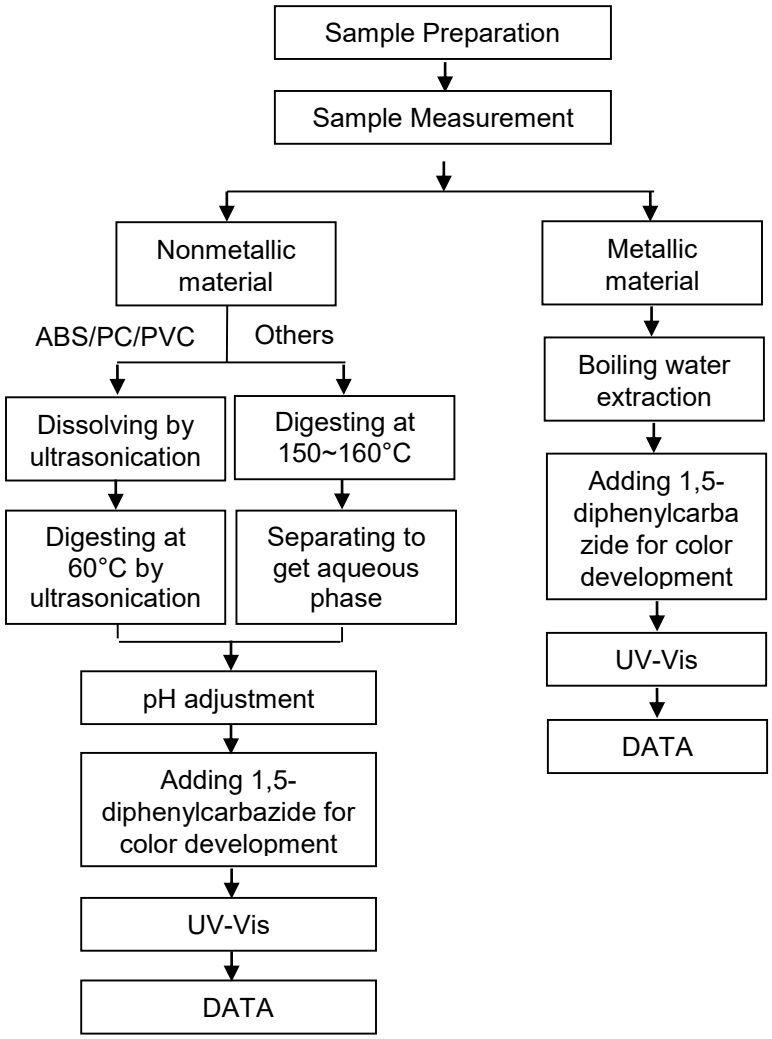
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

Attachment:

Be used for: 1, 1.25FJ connector, 1.25FJ-N connector;

2, 2.54SB header, 2.5FJ connector, 2.5FJ-N connector, 2.5SB header;

A, ACA connector, ACH connector, ACH connector, ACHF Connector, ACHL connector,
ADH Connector, AGH connector, AIT connector, AIT-II connector, AN connector,
APSH connector, ARV connector, AS connector, ASG connector, ASR connector,
ASU connector, ATL connector, ATLC connector, ATSS connector,
AUH Connector, AYU1 connector;

B, BC header, BCC connector, BD connector, BD connector, BH connector,
BH connector, BH connector, BHL connector, BHM connector, BHM connector,
BHS connector, BHS connector, BHT connector, BHT connector,
BIC connector, BL connector, BTT connector;

C, CFF connector, CIF connnecor, CIT connector, CK connector, CL connector, CN connector,
CN connector, CPI connector, CPT connector, CR connector, CRK connector, CS connector,
CSH connector, CSR connector, CZ/CZW connector, CZH/CZHW connector;

D, DA connector, DAC connector, DB connector, DCJ connector, DD/DS connector,
DIM connector, DIN connector, DM-144P connector, DM-144P connector,
DM-200P connector, DM-72P connector, DR connector, DV connector, Dsub connector;

E, E-4, EA1 connector, EA2 connector, EH connector, EL connector, EP connector, EP-1;

F, FAB connector, FAZ connector, FCH Connector, FCT connector, FDZ connector,
FE connector, FFS connector, FGEM connector, FH connector, FHA Connector,
FHH connector, FHJ connector, FHS connector, FHSY connector, FHY connector,
FJ connector, FJ-K connector, FJ-L connector, FJ-V connector, FKZ connector,
FLH connector, FLT connector, FLZ connector, FLZT connector, FLZX connector,
FM connector, FMN connector, FMS connector, FMZ connector, FOX connector,
FPZ connector, FUN connector, FVX connector, FVXL Connector, FVXS connector,
FXM connector, FXR connector, FXRH connector, FXS connector, FXV connector,
FXVL Connector, FXW connector, FXY connector, FXZ connector, FXZT connector,
FY connector, FZ connector, FZA Connector, FZC Connector;

G, GH connector, GHD connector, GIT connector, GIT connector, GVH connector;

H, HCH connector, HCM connector, HIC connector, HIL connector, HIT connector,
HL connector, HL connector, HM connector, HPD-M2A, HPS connector, HQF connector,
HQM connector, HR connector, HR connector, HSDP connector, HTB connector,
HVD connector, HVGT connector, HVGW connector, HVQ connector;

I, IG connector, IS Connector;

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86–20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

J, JAK connnector, JAN connector, JAS connector, JAV connector, JDV connector,
JE connector, JED connector, JET connector, JFA connector, JFC connector,
JFPS connector, JL connector, JM connector, JMC connector, JMD connector,
JQ connector, JU connector, JUX connector, JWPF connector, JWPF connector,
JWPS connector, JWPS connector, JXV connector;
K, KR connector, KRD connector, KRW connector;
L, LC connector, LD-Y connector, LEA connector, LEB connector, LEH connector,
LEK connector, LEL connector, LEN connector, LEX connector, LV connector;
M, MBS header, MD connector, MEC connector, MG connector, MIH connector,
MIO connector, MJ connector, MMJ connector, MQ connector, MS connector,
MSA connector, MSA terminal, MUF connector, MV connector, MWP connector;
N, NAC-I connector, NFG connector, NH connector, NR connector, NRD connector,
NSH connector, NSHD connector, NV connector, NVA connector;
O, OTZ connector;
P, PA connector, PA connector, PAD connector, PAF connector, PAL connector,
PB connector, PBV connector, PC Card connector, PEA connector, PFW connector,
PH connector, PH connector, PHD connector, PLI connector, PND connector, PNI connector,
PNI connector, PNI connector, PS connector, PUD connector, PXA connector;
R, RA connector, RAD connector, RARSF connector, RC connector, RCD-M9BE,
RCY connector, RE connector, RF connector, RFC connector, RHM connector,
RIC connector, RIJ connector, RIZ connector, RK header, RPJ connector, RPZ connector,
RTZ connector, RV connector, RWZ connector, RWZ connector, RX connector;
S, SAB connector, SAC connector, SAN connector, SBO connector, SBO2 connector,
SCD-M15B, SCK connector, SCN connector, SCR connector, SCRL Connector,
SCRT Connector, SCYT Connector, SD connector, SDF connector, SDHK Connector,
SIN connector, SDHL connector, SDHR Connector, SDK connector, SDN connector,
SFH connector, SGN connector, SH connector, SHC connector, SHD connector,
SHJ connector, SHL connector, SHLD connector, SHLV connector, SJN connector,
SL connector, SM connector, SMF connector, SNA connector, SPF connector,
SPH2 connector, SQF connector, SQH connector, SQM connector, SQSII connector,
SQS connector, SQSK connector, SQW connector, SQXW connector, SQZ connector,
SR/SZ connector, SRV connector, SSR connector, SUH connector, SUR connector,
SV connector, SZN connector;
T, TB header, TCS connector, THR connector, TR/TRW connector, TRZ connector,

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86–20) 82155555 www.sgsgroup.com.cn
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

TSD connector, TSF connector, TZ/TZW connector;

U, UB connector, UB3 connector;

V, V connector, VA connector, VB connector, VH connector, VH connector, VL connector,

VL connector, VR connector, VS header, VT connector, VU connector, VYH connector;

W, WIC connector, WPJ connector, WPJ connector, WPK connector;

X, XA connector, XA connector, XA connector, XA connector, XA connector,

XAD connector, XAD connector, XAF connector, XAG connector, XAG connector,

XH connector, XH connector, XL connector, XL connector, XM connector,

XM connector, XMA connector, XNI connector, XSR connector;

Y, YF-1, YL connector, YLN connector;

Z, ZA connector, ZE connector, ZF/ZFW connector, ZH connector, ZPD connector,

ZR connector, ZRO connector, ZM connector, ZL connector

检验检测专用章 Inspection & Testing Services

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Technical Services Co., Ltd. Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

Sample Photo:



CAN24-0116107-0001.C001

SGS authenticate the photo on original report only

*** End of Report ***

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

Test Report

No.: CANEC24011610702 **Date:** Jun 05, 2024

Client Name: SHENZHEN CHEN JIA TECHNOLOGY CO., LTD.

Client Address: RM506,SHIYUAN CENTER,FENGHUA GARDEN,BAISHIXIA,FUYONG TOWN,BAOAN DISTRICT,SHENZHEN

Sample Name:	HOUSING
Model No.:	PS-187
Material No.:	PS-187
Client Ref. Information:	SEE REMARK
Main Substance:	PA,PA 6,PA 66，PA 6T,PA 9T,PBT,PPS,LCP
Manufacturer:	J.S.T Mfg. Co. LTD

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

SGS Job No.:	GZP24-017914
Sample Receiving Date:	May 31, 2024
Testing Period:	May 31, 2024 ~ Jun 05, 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

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

Arsene Ye

Arsene Ye
Approved Signatory

scan to see the report
F4ABE126

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
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 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	CAN24-0116107-0001.C002	White plastic

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	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

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

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.

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.

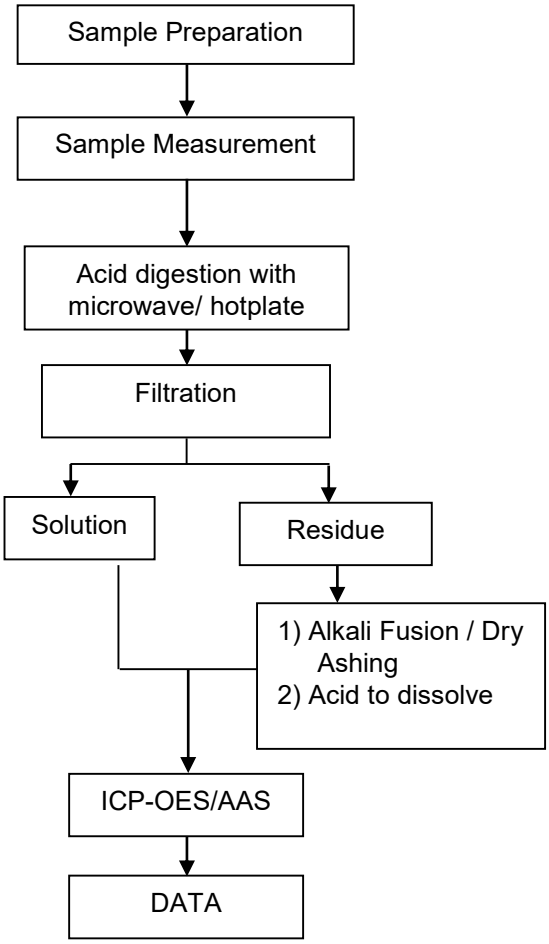
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Technical Services Laboratory
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
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 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

ATTACHMENTS

Elements Testing Flow Chart

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



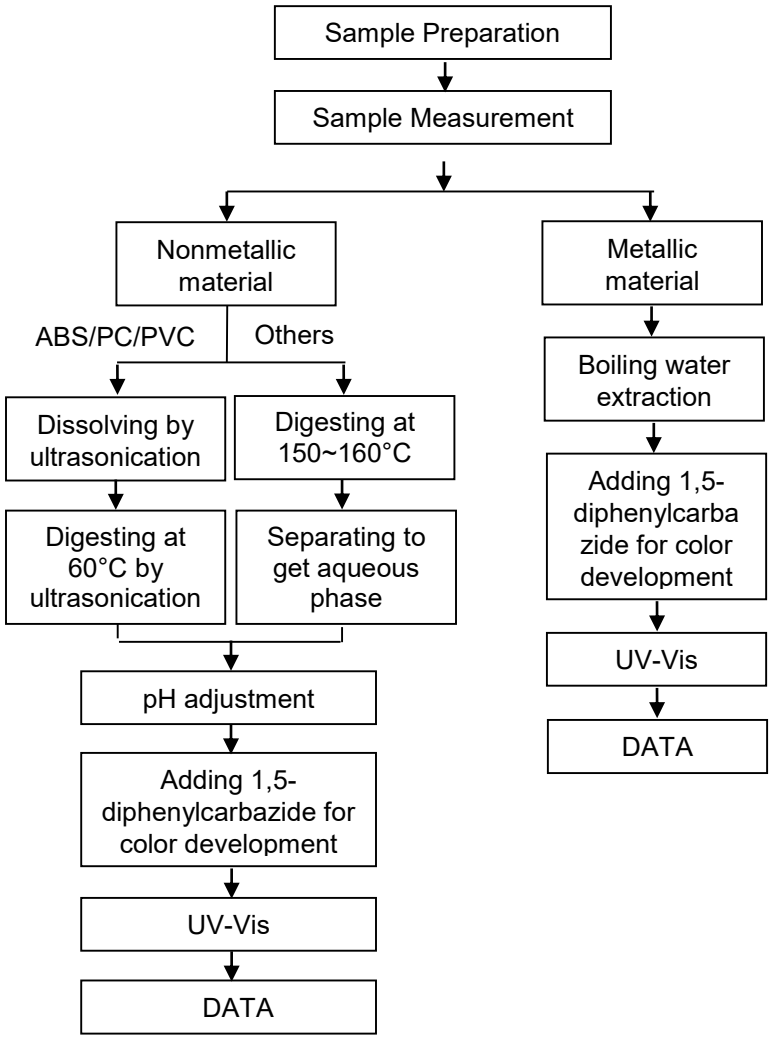
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

ATTACHMENTS

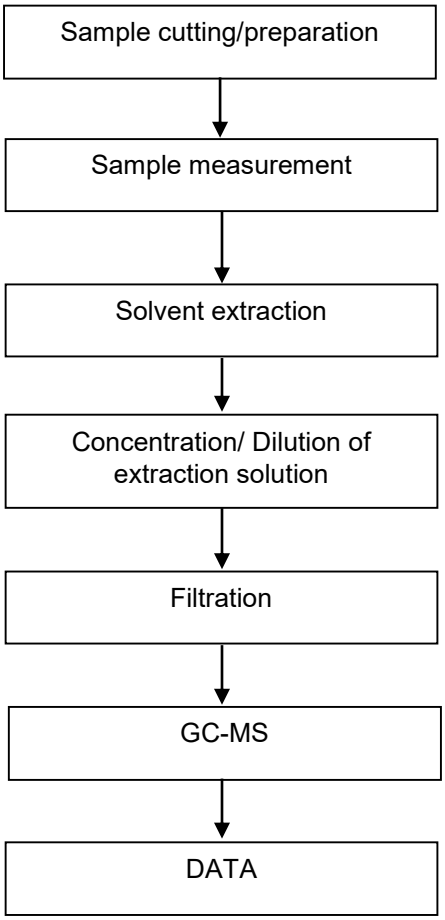
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

ATTACHMENTS

PBB/PBDE Testing Flow Chart

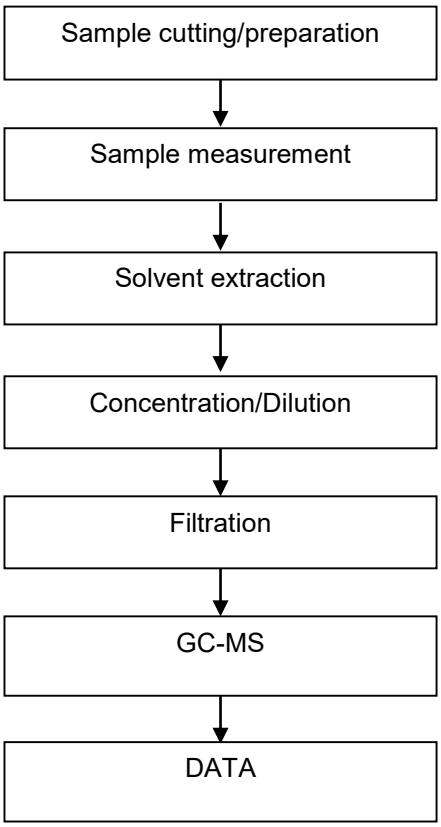


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

ATTACHMENTS

Phthalates Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

Attachment:

Be used for: 1, 1.25FJ connector, 1.25FJ-N connector;

2, 2.54SB header, 2.5FJ connector, 2.5FJ-N connector, 2.5SB header;

A, ACA connector, ACH connector, ACH connector, ACHF Connector, ACHL connector,
ADH Connector, AGH connector, AIT connector, AIT-II connector, AN connector,
APSH connector, ARV connector, AS connector, ASG connector, ASR connector,
ASU connector, ATL connector, ATLC connector, ATSS connector,
AUH Connector, AYU1 connector;

B, BC header, BCC connector, BD connector, BD connector, BH connector,
BH connector, BH connector, BHL connector, BHM connector, BHM connector,
BHS connector, BHS connector, BHT connector, BHT connector,
BIC connector, BL connector, BTT connector;

C, CFF connector, CIF connnecor, CIT connector, CK connector, CL connector, CN connector,
CN connector, CPI connector, CPT connector, CR connector, CRK connector, CS connector,
CSH connector, CSR connector, CZ/CZW connector, CZH/CZHW connector;

D, DA connector, DAC connector, DB connector, DCJ connector, DD/DS connector,
DIM connector, DIN connector, DM-144P connector, DM-144P connector,
DM-200P connector, DM-72P connector, DR connector, DV connector, Dsub connector;

E, E-4, EA1 connector, EA2 connector, EH connector, EL connector, EP connector, EP-1;

F, FAB connector, FAZ connector, FCH Connector, FCT connector, FDZ connector,
FE connector, FFS connector, FGEM connector, FH connector, FHA Connector,
FHH connector, FHJ connector, FHS connector, FHSY connector, FHY connector,
FJ connector, FJ-K connector, FJ-L connector, FJ-V connector, FKZ connector,
FLH connector, FLT connector, FLZ connector, FLZT connector, FLZX connector,
FM connector, FMN connector, FMS connector, FMZ connector, FOX connector,
FPZ connector, FUN connector, FVX connector, FVXL Connector, FVXS connector,
FXM connector, FXR connector, FXRH connector, FXS connector, FXV connector,
FXVL Connector, FXW connector, FXY connector, FXZ connector, FXZT connector,
FY connector, FZ connector, FZA Connector, FZC Connector;

G, GH connector, GHD connector, GIT connector, GIT connector, GVH connector;

H, HCH connector, HCM connector, HIC connector, HIL connector, HIT connector,
HL connector, HL connector, HM connector, HPD-M2A, HPS connector, HQF connector,
HQM connector, HR connector, HR connector, HSDP connector, HTB connector,
HVD connector, HVGT connector, HVGW connector, HVQ connector;

I, IG connector, IS Connector;

检验检测专用章 Inspection & Testing Services

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

J, JAK connnector, JAN connector, JAS connector, JAV connector, JDV connector,
JE connector, JED connector, JET connector, JFA connector, JFC connector,
JFPS connector, JL connector, JM connector, JMC connector, JMD connector,
JQ connector, JU connector, JUX connector, JWPF connector, JWPF connector,
JWPS connector, JWPS connector, JXV connector;
K, KR connector, KRD connector, KRW connector;
L, LC connector, LD-Y connector, LEA connector, LEB connector, LEH connector,
LEK connector, LEL connector, LEN connector, LEX connector, LV connector;
M, MBS header, MD connector, MEC connector, MG connector, MIH connector,
MIO connector, MJ connector, MMJ connector, MQ connector, MS connector,
MSA connector, MSA terminal, MUF connector, MV connector, MWP connector;
N, NAC-I connector, NFG connector, NH connector, NR connector, NRD connector,
NSH connector, NSHD connector, NV connector, NVA connector;
O, OTZ connector;
P, PA connector, PA connector, PAD connector, PAF connector, PAL connector,
PB connector, PBV connector, PC Card connector, PEA connector, PFW connector,
PH connector, PH connector, PHD connector, PLI connector, PND connector, PNI connector,
PNI connector, PNI connector, PS connector, PUD connector, PXA connector;
R, RA connector, RAD connector, RARSF connector, RC connector, RCD-M9BE,
RCY connector, RE connector, RF connector, RFC connector, RHM connector,
RIC connector, RIJ connector, RIZ connector, RK header, RPJ connector, RPZ connector,
RTZ connector, RV connector, RWZ connector, RWZ connector, RX connector;
S, SAB connector, SAC connector, SAN connector, SBO connector, SBO2 connector,
SCD-M15B, SCK connector, SCN connector, SCR connector, SCRL Connector,
SCRT Connector, SCYT Connector, SD connector, SDF connector, SDHK Connector,
SIN connector, SDHL connector, SDHR Connector, SDK connector, SDN connector,
SFH connector, SGN connector, SH connector, SHC connector, SHD connector,
SHJ connector, SHL connector, SHLD connector, SHLV connector, SJN connector,
SL connector, SM connector, SMF connector, SNA connector, SPF connector,
SPH2 connector, SQF connector, SQH connector, SQM connector, SQSII connector,
SQS connector, SQSK connector, SQW connector, SQXW connector, SQZ connector,
SR/SZ connector, SRV connector, SSR connector, SUH connector, SUR connector,
SV connector, SZN connector;
T, TB header, TCS connector, THR connector, TR/TRW connector, TRZ connector,

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

TSD connector, TSF connector, TZ/TZW connector;

U, UB connector, UB3 connector;

V, V connector, VA connector, VB connector, VH connector, VH connector, VL connector,

VL connector, VR connector, VS header, VT connector, VU connector, VYH connector;

W, WIC connector, WPJ connector, WPJ connector, WPK connector;

X, XA connector, XA connector, XA connector, XA connector, XA connector,

XAD connector, XAD connector, XAF connector, XAG connector, XAG connector,

XH connector, XH connector, XL connector, XL connector, XM connector,

XM connector, XMA connector, XNI connector, XSR connector;

Y, YF-1, YL connector, YLN connector;

Z, ZA connector, ZE connector, ZF/ZFW connector, ZH connector, ZPD connector,

ZR connector, ZRO connector, ZM connector, ZL connector

检验检测专用章 Inspection & Testing Services

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

Sample Photo:



CAN24-0116107-0001.C002

SGS authenticate the photo on original report only

*** End of Report ***

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Member of the SGS Group (SGS SA)

TEST REPORT

Lab No. : **(6223)348-0081**
Date : **December 22, 2023**
Page : **1 of 11**

APPLICANT **申請人**	:	EVER CONNECTOR INDUSTRIAL CO., LTD NO. 1, Ln. 91, Benzhou Rd., Gangshan Dist., Kaohsiung City 820, Taiwan (R.O.C.) 旗欣股份有限公司 820 高雄市岡山區本洲路 91 巷 1 號
CONTACT PERSON **聯絡人**	:	—
DATE OF SUBMISSION **送樣日期**	:	December 14, 2023 2023 年 12 月 14 日
PERFORMANCE PERIOD **測試日期**	:	December 14, 2023 to December 22, 2023 2023 年 12 月 14 日 至 2023 年 12 月 22 日
SAMPLE DESCRIPTION **樣品描述**	:	NYLON UL94-V0

SUMMARY OF TEST RESULTS 測試結果摘要

TEST REQUESTED 測試要求	CONCLUSION 結論	REMARK 備註
Heavy Metals and Flame Retardants Content – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) 重金屬和阻燃劑含量 – 有關歐盟委員會針對電子產品的指令(電子電氣禁用某些有害物質指令)，2011/65/EU	PASS 通過	—
Phthalates Test – Directive (EU)2015/863 Amendment of European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) (Note: The amendment will be effective on 22 July 2019. For medical devices, monitoring and control instruments, effective date will be 22 July 2021.) 鄰苯二甲酸鹽測試 – 指令2011/65/EU 歐洲議會和理事會關於電子電氣設備中限制使用某些有害物質 (RoHS)的修正案指令(EU)2015/863. (注釋:修正案將於2019年7月22日起生效。對於醫療設備及監測和控制設備生效日期為2021年7月22日)	PASS 通過	—
Phthalates Test 鄰苯二甲酸鹽測試	DATA 數據	Test result in page 4 測試結果請見第 4 頁

C/N /TC/JK

Bureau Veritas
Consumer Product Service (H.K.) Ltd.
Taiwan Branch
37, Zhongyang S Rd., Sec. 2, Beitou,
Taipei 112, Taiwan, R.O.C.

Tel : 886-2-2895-3666
Fax: 886-2-2895-6999
http://www.cps.bureauveritas.com

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST REQUESTED 測試要求	CONCLUSION 結論	REMARK 備註
Halogenated compounds – F, Cl, Br & I 含鹵素物質檢測 – 氟, 氯, 溴 和 碘	DATA 數據	Test result in page 5 測試結果請見第 5 頁
Perfluorooctanoic acid (PFOA) Content & Perfluorooctane sulphonate (PFOS) Content 全氟辛酸含量和全氟辛烷磺酸含量	DATA 數據	Test result in page 5 測試結果請見第 5 頁

REMARK 備註

If there are questions or concerns on this report, please contact:
若有任何疑問或諮詢，請與我們聯絡:

Primary Contact: Tiffany Chin Tel: 886-2-2895-3666, Ext 231 Email: tiffany.chin@bureauveritas.com
Technical Inquiry Jack Chiu Tel: 886-2-2895-3666, Ext 208 Email: jack.chiu@bureauveritas.com
Back-up Contact: Vico Lin Tel: 886-2-2895-3666, Ext 336 Email: vico.lin@bureauveritas.com

BUREAU VERITAS CONSUMER PRODUCTS SERVICES
(H.K.) LIMITED, TAIWAN BRANCH

PREPARED BY : Tiffany Chin

VICO LIN
MANAGER
ANALYTICAL DEPARTMENT

C/N /TC/JK

TEST RESULT 測試結果

Tested item 測試部件	
1.	White solid / 白色固體

Heavy Metals and Flame Retardants Content – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)
重金屬和阻燃劑含量 - 有關歐盟委員會針對電子產品的指令(電子電氣禁用某些有害物質指令)，2011/65/EU

Compounds 化合物	**Unit** 單位	**Tested item** 測試部件	**RoHS' Limits** 限用有害物質指令限值
		1	
Lead [Pb] / 鉛	mg/kg	N.D.	1000
Cadmium [Cd] / 鎘	mg/kg	N.D.	100
Mercury [Hg] / 汞	mg/kg	N.D.	1000
Chromium (VI) [Cr(VI)] / 六價鉻	mg/kg	N.D.	1000
Polybrominated Biphenyls[PBBs] / 多溴聯苯			
Bromobiphenyls / 一溴聯苯	mg/kg	N.D.	
Dibromobiphenyls / 二溴聯苯	mg/kg	N.D.	
Tribromobiphenyls / 三溴聯苯	mg/kg	N.D.	
Tetrabromobiphenyls / 四溴聯苯	mg/kg	N.D.	
Pentabromobiphenyls / 五溴聯苯	mg/kg	N.D.	
Hexabromobiphenyls / 六溴聯苯	mg/kg	N.D.	
Heptabromobiphenyls / 七溴聯苯	mg/kg	N.D.	
Octabromobiphenyls / 八溴聯苯	mg/kg	N.D.	
Nonabromobiphenyls / 九溴聯苯	mg/kg	N.D.	
Decabromobiphenyl / 十溴聯苯	mg/kg	N.D.	
Sum of PBBs / 多溴聯苯總和	mg/kg	N.D.	1000
Polybrominated Diphenyl Ethers[PBDEs] / 多溴聯苯醚			
Bromodiphenyl ethers / 一溴聯苯醚	mg/kg	N.D.	
Dibromodiphenyl ethers / 二溴聯苯醚	mg/kg	N.D.	
Tribromodiphenyl ethers / 三溴聯苯醚	mg/kg	N.D.	
Tetrabromodiphenyl ethers / 四溴聯苯醚	mg/kg	N.D.	
Pentabromodiphenyl ethers / 五溴聯苯醚	mg/kg	N.D.	
Hexabromodiphenyl ethers / 六溴聯苯醚	mg/kg	N.D.	
Heptabromodiphenyl ethers / 七溴聯苯醚	mg/kg	N.D.	
Octabromodiphenyl ethers / 八溴聯苯醚	mg/kg	N.D.	
Nonabromodiphenyl ethers / 九溴聯苯醚	mg/kg	N.D.	
Decabromodiphenyl ether / 十溴聯苯醚	mg/kg	N.D.	
Sum of PBDEs / 多溴聯苯醚總和	mg/kg	N.D.	1000
Conclusion 結論	—	PASS 通過	—

C/N /TC/JK

TEST RESULT 測試結果

Phthalates Test – Directive (EU)2015/863 Amendment of European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)
鄰苯二甲酸鹽測試- 指令 2011/65/EU 歐洲議會和理事會關於電子電氣設備中限制使用某些有害物質 (RoHS)的修正案指令(EU)2015/863.

Test Item 測試項目	CAS No. CAS 编號	Unit 單位	Tested item 測試部件	Maximum Allowable Limit 最大允许限值
			1	
Dibutyl phthalate (DBP) 鄰苯二甲酸二丁酯	84-74-2	%	N.D.	0.1
Butyl benzyl phthalate (BBP) 鄰苯二甲酸丁苄酯	85-68-7	%	N.D.	0.1
Bis(2-ethylhexyl) phthalate (DEHP) 鄰苯二甲酸二異辛酯	117-81-7	%	N.D.	0.1
Diisobutyl phthalate (DIBP) 鄰苯二甲酸二異丁酯	84-69-5	%	N.D.	0.1
Sum of Phthalates 鄰苯二甲酸鹽總和	—	%	N.D.	—
Conclusion 結論	—	—	PASS 通過	—

Phthalates Test
鄰苯二甲酸鹽測試

Test Item 測試項目	CAS No. CAS 编號	Unit 單位	Tested item 測試部件
			1
Di-n-octyl phthalate (DNOP) 鄰苯二甲酸二正辛酯 (DNOP)	117-84-0	%	N.D.
Di-isodecyl phthalate (DIDP) 鄰苯二甲酸二異癸酯 (DIDP)	26761-40-0	%	N.D.
Di-isononyl phthalate (DINP) 鄰苯二甲酸二異壬酯 (DINP)	28553-12-0	%	N.D.
Sum of Phthalates / 鄰苯二甲酸鹽總和	—	%	N.D.

C/N /TC/JK

TEST RESULT 測試結果

Halogen Content - Fluorine, Chlorine, Bromine and Iodine
鹵素含量 – 氟、氯、溴和碘

Compounds 化合物	Unit 單位	Tested item 測試部件
		1
Halogenated Compounds / 鹵素:		
Fluorine [F] / 氟	mg/kg	N.D.
Chlorine [Cl] / 氯	mg/kg	N.D.
Bromine [Br] / 溴	mg/kg	N.D.
Iodine [I] / 碘	mg/kg	N.D.
Sum of Halogenated Compounds / 鹵素總和	mg/kg	N.D.

Perfluorooctanoic acid (PFOA) and Perfluorooctane sulphonate (PFOS) Content
全氟辛酸和全氟辛烷磺酸含量

Compounds 化合物	Unit 單位	Tested item 測試部件
		1
Perfluorooctanoic acid (PFOA) 全氟辛酸	mg/kg	N.D.
Perfluorooctane sulphonate (PFOS) 全氟辛烷磺酸	mg/kg	N.D.

Note 註解:
N.D. = Not Detected (低於報告限值) — = Empty (空白)
Negative = (陰性) Positive = (陽性)
% = percent (百分率) 10 000 mg/kg = 1 %
mg/kg = milligram per kilogram = ppm (毫克/公斤, 百萬分之一)

C/N /TC/JK

Reporting Limit / 報告限值:
Pb, Cd, Hg: 2 mg/kg
Cr(VI): 8 mg/kg
PBBs & PBDEs: Each 5 mg/kg
Phthalates Content: Each 0.005%
F, I , Cl, Br: 50 mg/kg
Perfluorooctanoic acid (PFOA) and Perfluorooctane sulphonate (PFOS): 0.01 mg/kg

Test Parameter 測試項目	Test Method 測試方法
Lead [Pb] / 鉛	With reference to IEC 62321-5: 2013. 參照 IEC 62321-5: 2013.
Cadmium [Cd] / 鎘	
Mercury [Hg] / 汞	With reference to IEC 62321-4: 2013+AMD 1:2017 CSV. 參照 IEC 62321-4: 2013+AMD 1:2017 合併版本.
Chromium (VI) [Cr(VI)] / 六價鉻	Polymers & Electronics 聚合物及電子: With reference to IEC 62321-7-2:2017. 參照 IEC 62321-7-2:2017.
Polybrominated Biphenyls[PBBs] and Polybrominated Diphenyl Ethers [PBDEs] / 多溴聯苯和多溴聯苯醚:	With reference to IEC 62321-6: 2015. 參照 IEC 62321-6: 2015.
Phthalates Test / 鄰苯二甲酸鹽測試	With reference to IEC 62321-8: 2017. 參照 IEC 62321-8: 2017.
Halogenated Compounds: F, Cl, Br, I / 鹵素: 氟, 氯, 溴, 碘	With reference to EN14582:2016(E). 參照 EN14582:2016(E).
Perfluorooctanoic acid (PFOA) and Perfluorooctane sulphonate (PFOS) Content / 全氟辛酸和全氟辛烷磺酸含量	With reference to DIN CEN/TS 15968:2010. 參照 DIN CEN/TS 15968:2010.

Remark 備註:

1. The result only relates to the tested item. The report shall not be reproduced except full without the written approval of the testing laboratory. Parameters which are not covered by the lab's testing scope are subcontracted to laboratories with government approval. The accreditation relates to competences given in the accreditation certificate.
   測試結果僅代表經測試部件。本報告未經測試實驗室認可不得複製。未在本實驗室測試範疇之測試均委外至經官方核可之實驗室。委外實驗室之能力經認證許可。
2. Samples test were conducted as per applicant's request.
   樣品測試進行為依照申請人的要求。

- End 結束 -

C/N /TC/JK

Photo of the Submitted Sample
委送樣品照片

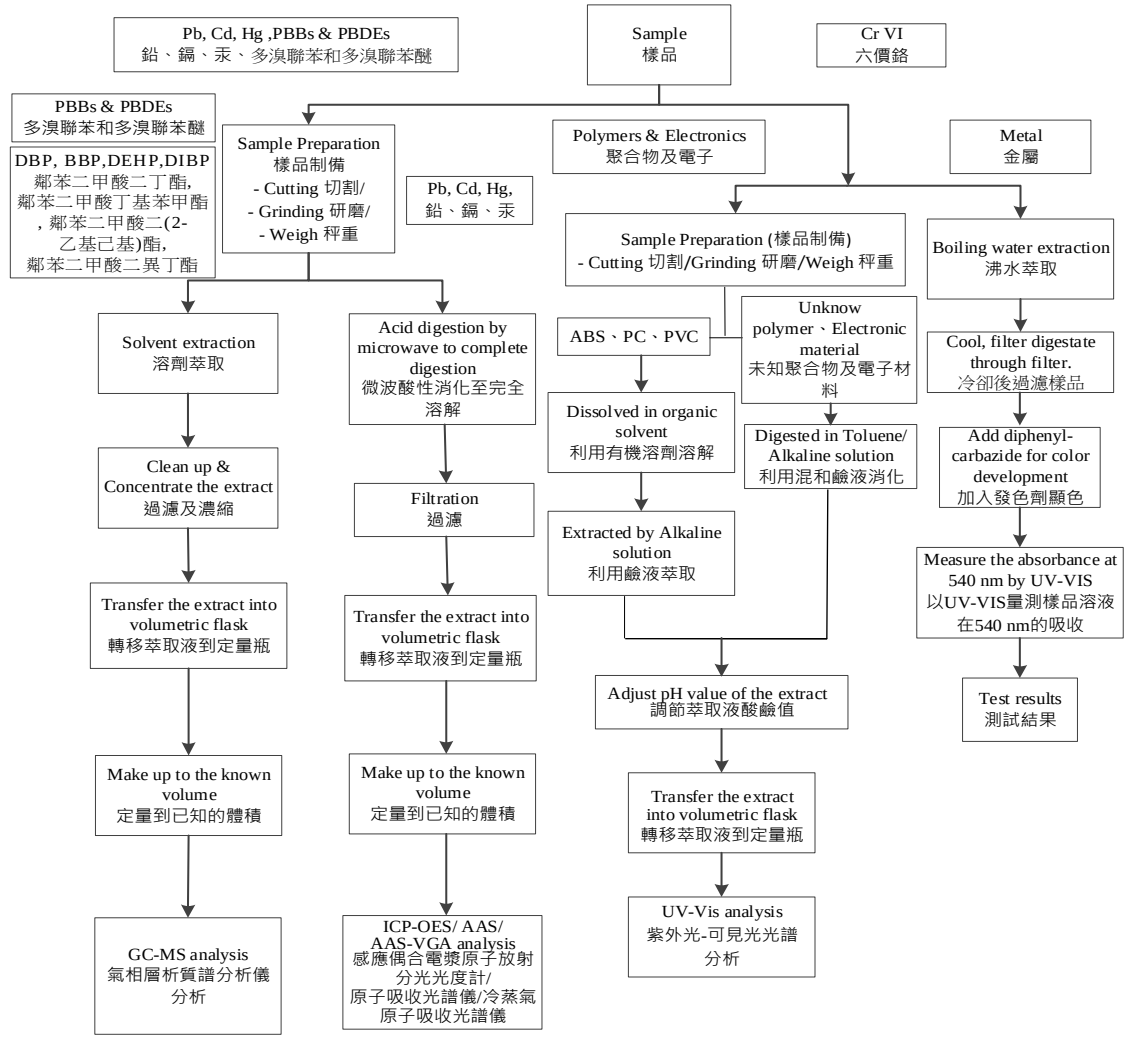


Sample

C/N /TC/JK

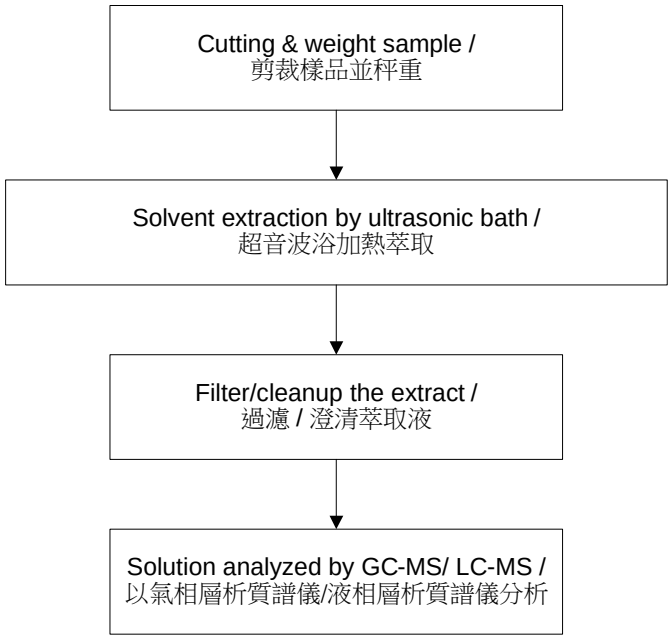
APPENDIX(附錄)

Test Flowchart of Heavy Metals, Flame Retardants and Phthalates Content [European Council Directive 2011/65/EU]:
重金屬, 阻燃劑及鄰苯二甲酸鹽含量的測試流程圖 [歐盟委員會指令 2011/65/EU]:
These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr^{6+} test method excluded)
根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外)



APPENDIX(附錄)

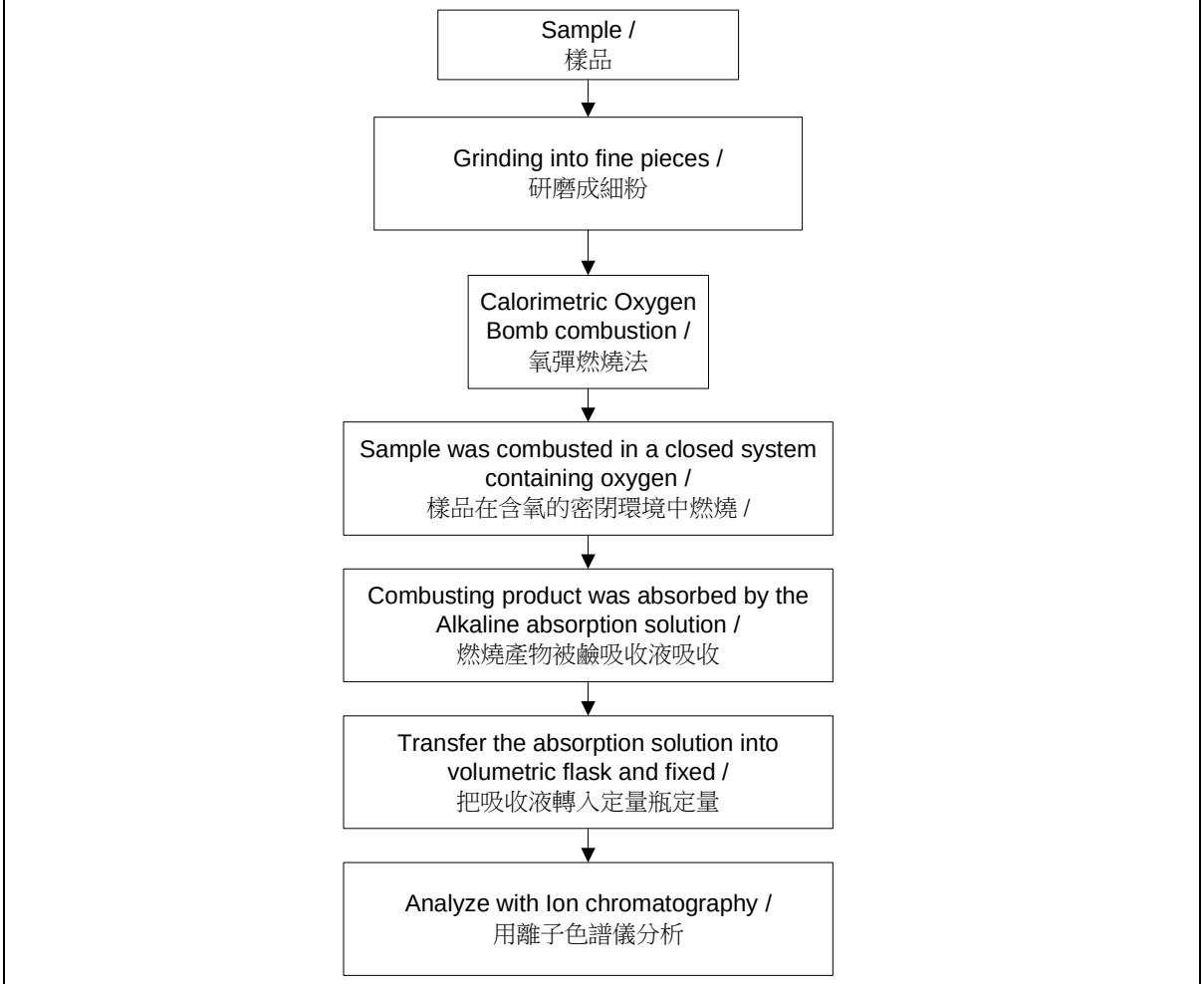
Test Flowchart of of Phthalates test:
鄰苯二甲酸鹽的測試流程圖:



C/N /TC/JK

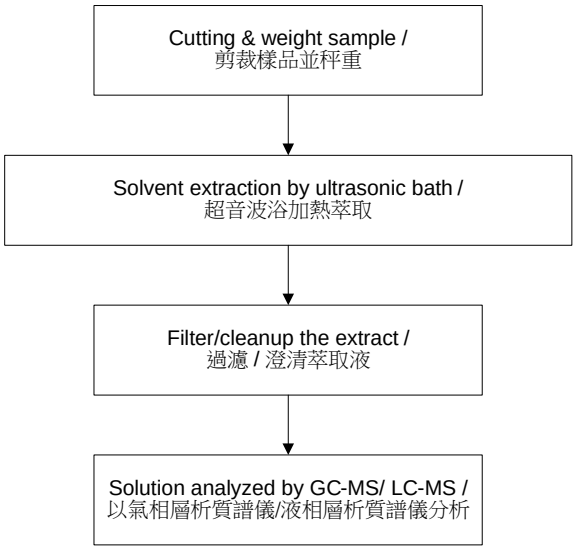
APPENDIX(附錄)

Test Flowchart of Halogenated Compounds-F, Cl, Br, I:
鹵素: 氟, 氯, 溴, 碘的測試流程圖:



APPENDIX(附錄)

Determinations of Perfluorooctanoic acid (PFOA), Perfluorooctane sulphonate (PFOS) Content:
全氟辛酸與全氟辛烷磺酸含量的測試流程圖:



C/N /TC/JK

TEST REPORT

Lab No. : **(6223)348-0078**
Date : **December 22, 2023**
Page : **1 of 9**

APPLICANT **申請人**	:	EVER CONNECTOR INDUSTRIAL CO., LTD NO. 1, Ln. 91, Benzhou Rd., Gangshan Dist., Kaohsiung City 820, Taiwan (R.O.C.) 旗欣股份有限公司 820 高雄市岡山區本洲路 91 巷 1 號
CONTACT PERSON **聯絡人**	:	—
DATE OF SUBMISSION **送樣日期**	:	December 14, 2023 2023 年 12 月 14 日
PERFORMANCE PERIOD **測試日期**	:	December 14, 2023 to December 22, 2023 2023 年 12 月 14 日 至 2023 年 12 月 22 日
SAMPLE DESCRIPTION **樣品描述**	:	TERMINAL-PHOSHOR BRONZE

SUMMARY OF TEST RESULTS 測試結果摘要

TEST REQUESTED 測試要求	CONCLUSION 結論	REMARK 備註
Heavy Metals and Flame Retardants Content – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) 重金屬和阻燃劑含量 – 有關歐盟委員會針對電子產品的指令(電子電氣禁用某些有害物質指令)，2011/65/EU	PASS 通過	—
Phthalates Test – Directive (EU)2015/863 Amendment of European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) (Note: The amendment will be effective on 22 July 2019. For medical devices, monitoring and control instruments, effective date will be 22 July 2021.) 鄰苯二甲酸鹽測試 – 指令2011/65/EU 歐洲議會和理事會關於電子電氣設備中限制使用某些有害物質 (RoHS)的修正案指令(EU)2015/863. (注釋:修正案將於2019年7月22日起生效。對於醫療設備及監測和控制設備生效日期為2021年7月22日)	PASS 通過	—
Perfluorooctanoic acid (PFOA) Content & Perfluorooctane sulphonate (PFOS) Content 全氟辛酸含量和全氟辛烷磺酸含量	DATA 數據	Test result in page 4 測試結果請見第 4 頁

C/N /TC/JK

Bureau Veritas
Consumer Product Service (H.K.) Ltd.
Taiwan Branch
37, Zhongyang S Rd., Sec. 2, Beitou,
Taipei 112, Taiwan, R.O.C.

Tel : 886-2-2895-3666
Fax: 886-2-2895-6999
http://www.cps.bureauveritas.com

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

REMARK 備註

If there are questions or concerns on this report, please contact:
若有任何疑問或諮詢，請與我們聯絡:

Primary Contact: Tiffany Chin Tel: 886-2-2895-3666, Ext 231 Email: tiffany.chin@bureauveritas.com
Technical Inquiry Jack Chiu Tel: 886-2-2895-3666, Ext 208 Email: jack.chiu@bureauveritas.com
Back-up Contact: Vico Lin Tel: 886-2-2895-3666, Ext 336 Email: vico.lin@bureauveritas.com

BUREAU VERITAS CONSUMER PRODUCTS SERVICES
(H.K.) LIMITED, TAIWAN BRANCH

PREPARED BY : Tiffany Chin

VICO LIN
MANAGER
ANALYTICAL DEPARTMENT

C/N /TC/JK

TEST RESULT 測試結果

Tested item 測試部件	
1.	Silvery metal / 銀色金屬

Heavy Metals and Flame Retardants Content – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)
重金屬和阻燃劑含量 - 有關歐盟委員會針對電子產品的指令(電子電氣禁用某些有害物質指令)，2011/65/EU

Compounds 化合物	**Unit** 單位	**Tested item** 測試部件	**RoHS' Limits** 限用有害物質指令限值
		1	
Lead [Pb] / 鉛	mg/kg	9.88	1000
Cadmium [Cd] / 鎘	mg/kg	N.D.	100
Mercury [Hg] / 汞	mg/kg	N.D.	1000
Chromium (VI) [Cr(VI)] / 六價鉻	—	Negative	Negative
Polybrominated Biphenyls[PBBs] / 多溴聯苯			
Bromobiphenyls / 一溴聯苯	mg/kg	N.D.	
Dibromobiphenyls / 二溴聯苯	mg/kg	N.D.	
Tribromobiphenyls / 三溴聯苯	mg/kg	N.D.	
Tetrabromobiphenyls / 四溴聯苯	mg/kg	N.D.	
Pentabromobiphenyls / 五溴聯苯	mg/kg	N.D.	
Hexabromobiphenyls / 六溴聯苯	mg/kg	N.D.	
Heptabromobiphenyls / 七溴聯苯	mg/kg	N.D.	
Octabromobiphenyls / 八溴聯苯	mg/kg	N.D.	
Nonabromobiphenyls / 九溴聯苯	mg/kg	N.D.	
Decabromobiphenyl / 十溴聯苯	mg/kg	N.D.	
Sum of PBBs / 多溴聯苯總和	mg/kg	N.D.	1000
Polybrominated Diphenyl Ethers[PBDEs] / 多溴聯苯醚			
Bromodiphenyl ethers / 一溴聯苯醚	mg/kg	N.D.	
Dibromodiphenyl ethers / 二溴聯苯醚	mg/kg	N.D.	
Tribromodiphenyl ethers / 三溴聯苯醚	mg/kg	N.D.	
Tetrabromodiphenyl ethers / 四溴聯苯醚	mg/kg	N.D.	
Pentabromodiphenyl ethers / 五溴聯苯醚	mg/kg	N.D.	
Hexabromodiphenyl ethers / 六溴聯苯醚	mg/kg	N.D.	
Heptabromodiphenyl ethers / 七溴聯苯醚	mg/kg	N.D.	
Octabromodiphenyl ethers / 八溴聯苯醚	mg/kg	N.D.	
Nonabromodiphenyl ethers / 九溴聯苯醚	mg/kg	N.D.	
Decabromodiphenyl ether / 十溴聯苯醚	mg/kg	N.D.	
Sum of PBDEs / 多溴聯苯醚總和	mg/kg	N.D.	1000
Conclusion 結論	—	PASS 通過	—

C/N /TC/JK

TEST RESULT 測試結果

Phthalates Test – Directive (EU)2015/863 Amendment of European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)
鄰苯二甲酸鹽測試- 指令 2011/65/EU 歐洲議會和理事會關於電子電氣設備中限制使用某些有害物質 (RoHS)的修正案指令(EU)2015/863.

Test Item 測試項目	CAS No. CAS 编號	Unit 單位	Tested item 測試部件	Maximum Allowable Limit 最大允许限值
			1	
Dibutyl phthalate (DBP) 鄰苯二甲酸二丁酯	84-74-2	%	N.D.	0.1
Butyl benzyl phthalate (BBP) 鄰苯二甲酸丁苄酯	85-68-7	%	N.D.	0.1
Bis(2-ethylhexyl) phthalate (DEHP) 鄰苯二甲酸二異辛酯	117-81-7	%	N.D.	0.1
Diisobutyl phthalate (DIBP) 鄰苯二甲酸二異丁酯	84-69-5	%	N.D.	0.1
Sum of Phthalates 鄰苯二甲酸鹽總和	—	%	N.D.	—
Conclusion 結論	—	—	PASS 通過	—

Perfluorooctanoic acid (PFOA) and Perfluorooctane sulphonate (PFOS) Content
全氟辛酸和全氟辛烷磺酸含量

Compounds 化合物	Unit 單位	Tested item 測試部件
		1
Perfluorooctanoic acid (PFOA) 全氟辛酸	mg/kg	N.D.
Perfluorooctane sulphonate (PFOS) 全氟辛烷磺酸	mg/kg	N.D.

Note 註解:
N.D. = Not Detected (低於報告限值) — = Empty (空白)
Negative = (陰性) Positive = (陽性)
% = percent (百分率) 10 000 mg/kg = 1 %
mg/kg = milligram per kilogram = ppm (毫克/公斤, 百萬分之一)

C/N /TC/JK

Reporting Limit / 報告限值:
Pb, Cd, Hg: 2 mg/kg
Cr(VI) (金屬，Metal): 0.1 µg/cm^2
Metal 金屬
Cr(VI): 0.1 µg/cm^2
#The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13µg/cm^2. The coating is considered to contain Cr(VI).
當六價鉻結果大於 0.13µg/cm^2，表示樣品表層含有六價鉻。
#The sample is negative for Cr(VI) if the Cr(VI) concentration is less than 0.10µg/cm^2. The coating is considered a non-Cr(VI) based coating.
當六價鉻結果小於 0.10µg/cm^2，表示樣品表層不含六價鉻。
#The result between 0.10µg/cm^2 and 0.13µg/cm^2 is considered to be inconclusive – unavoidable coating variations may influence the determination.
當六價鉻結果介於 0.10µg/cm^{2}和 0.13µg/cm^{2}之間，表示樣品表層不確定含有六價鉻 –不可避免塗料的變化性可能影響結果判定。
PBBs & PBDEs: Each 5 mg/kg
DBP, BBP, DEHP, DIBP: Each 0.005% ; Sum: 0.02%
Perfluorooctanoic acid (PFOA) and Perfluorooctane sulphonate (PFOS): 0.01 mg/kg

Test Parameter 測試項目	Test Method 測試方法
Lead [Pb] / 鉛	With reference to IEC 62321-5: 2013. 參照 IEC 62321-5: 2013.
Cadmium [Cd] / 鎘	
Mercury [Hg] / 汞	With reference to IEC 62321-4: 2013+AMD 1:2017 CSV. 參照 IEC 62321-4: 2013+AMD 1:2017 合併版本.
Chromium (VI) [Cr(VI)] / 六價鉻	Metal 金屬: With reference to IEC 62321-7-1:2015.[a] 參照 IEC 62321-7-1:2015.[a]
Polybrominated Biphenyls[PBBs] and Polybrominated Diphenyl Ethers [PBDEs] / 多溴聯苯和多溴聯苯醚:	With reference to IEC 62321-6: 2015. 參照 IEC 62321-6: 2015.
Dibutyl phthalate (DBP), Butyl benzyl phthalate (BBP), Bis(2-ethylhexyl) phthalate (DEHP), Diisobutyl phthalate (DIBP) / 鄰苯二甲酸二丁酯, 鄰苯二甲酸丁苄酯, 鄰苯二甲酸二異辛酯, 鄰苯二甲酸二異丁酯	With reference to IEC 62321-8: 2017. 參照 IEC 62321-8: 2017.

Test Parameter 測試項目	Test Method 測試方法
Perfluorooctanoic acid (PFOA) and Perfluorooctane sulphonate (PFOS) Content / 全氟辛酸和全氟辛烷磺酸含量	With reference to DIN CEN/TS 15968:2010. 參照 DIN CEN/TS 15968:2010.
[a]	The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples. 該方法的原理是在由 IEC TC111 WG3 組織的兩次研究中得到充分評估並獲得了認可。這些研究著重於對金屬樣品上的防腐塗層中六價鉻的存在檢測(定性測試)

Remark 備註:

1. The result only relates to the tested item. The report shall not be reproduced except full without the written approval of the testing laboratory. Parameters which are not covered by the lab's testing scope are subcontracted to laboratories with government approval. The accreditation relates to competences given in the accreditation certificate.
   測試結果僅代表經測試部件。本報告未經測試實驗室認可不得複製。未在本實驗室測試範疇之測試均委外至經官方核可之實驗室。委外實驗室之能力經認證許可。
2. Samples test were conducted as per applicant's request.
   樣品測試進行為依照申請人的要求。

- End 結束 -

C/N /TC/JK

Photo of the Submitted Sample
委送樣品照片

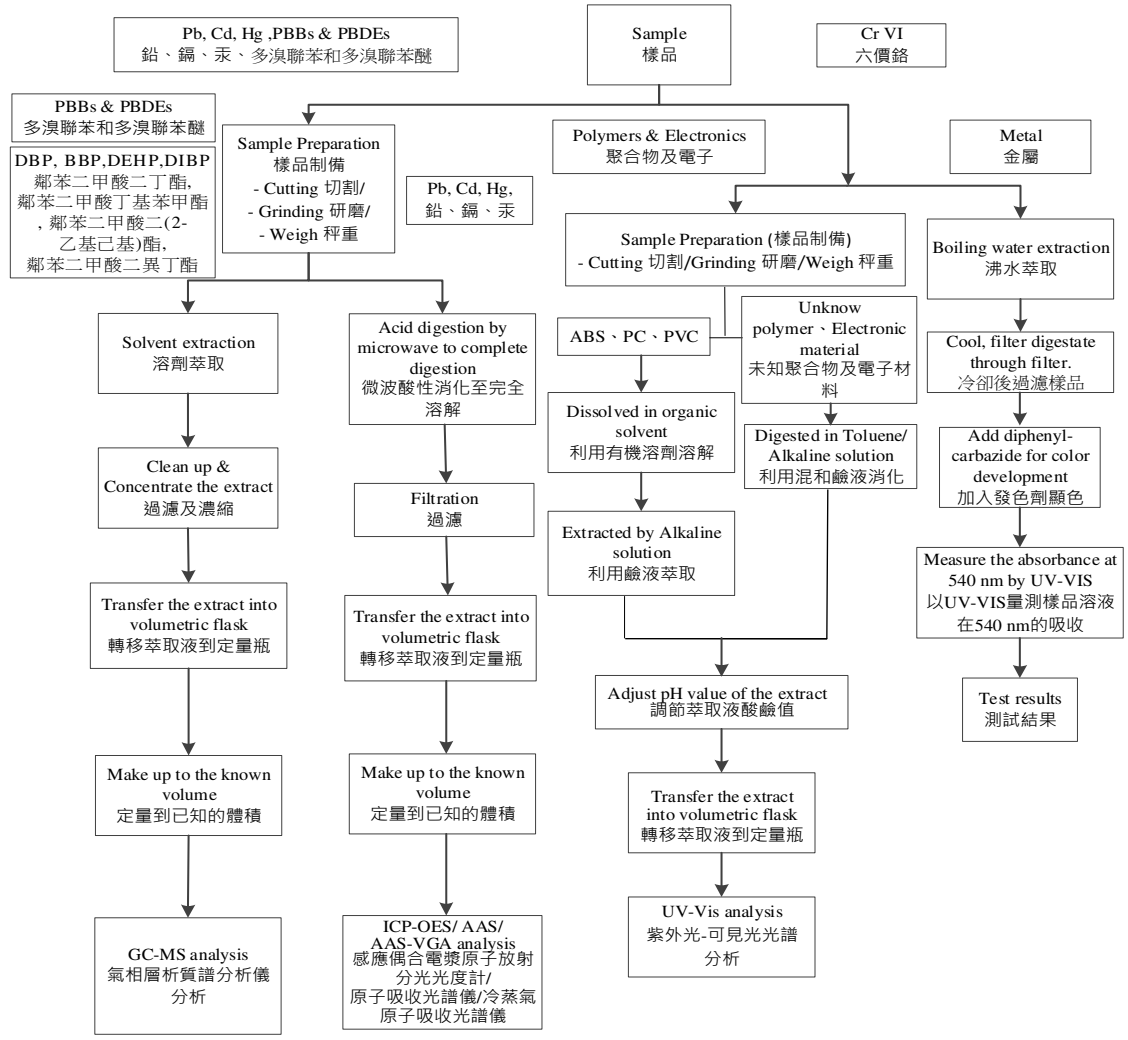


Sample

C/N /TC/JK

APPENDIX(附錄)

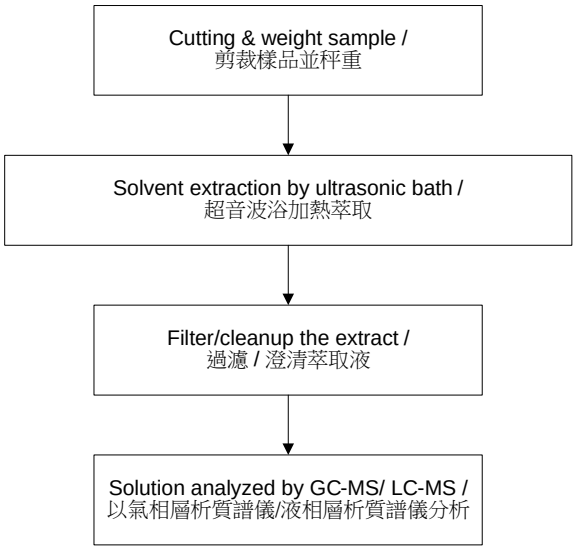
Test Flowchart of Heavy Metals, Flame Retardants and Phthalates Content [European Council Directive 2011/65/EU]:
重金屬, 阻燃劑及鄰苯二甲酸鹽含量的測試流程圖 [歐盟委員會指令 2011/65/EU]:
These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr^{6+} test method excluded)
根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外)



C/N /TC/JK

APPENDIX(附錄)

Determinations of Perfluorooctanoic acid (PFOA), Perfluorooctane sulphonate (PFOS) Content:
全氟辛酸與全氟辛烷磺酸含量的測試流程圖:



C/N /TC/JK

Test Report

Report No. A2240282836101018

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
Phthalates*	Refer to EN 14372:2004(E)	GC-MS

CTI 华测检测

Test Report

Report No. A2240282836101018

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	018		
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
	018		
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
	018		
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

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	018		
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
	018	
Hexabromocyclododecane (HBCDD)	N.D.	20 mg/kg

Tested Item(s)	Result	MDL
	018	
Phthalates*		
Di-2-propylheptyl phthalate (DPHpP) CAS#:53306-54-0	N.D.	30 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	018	Black wire jacket

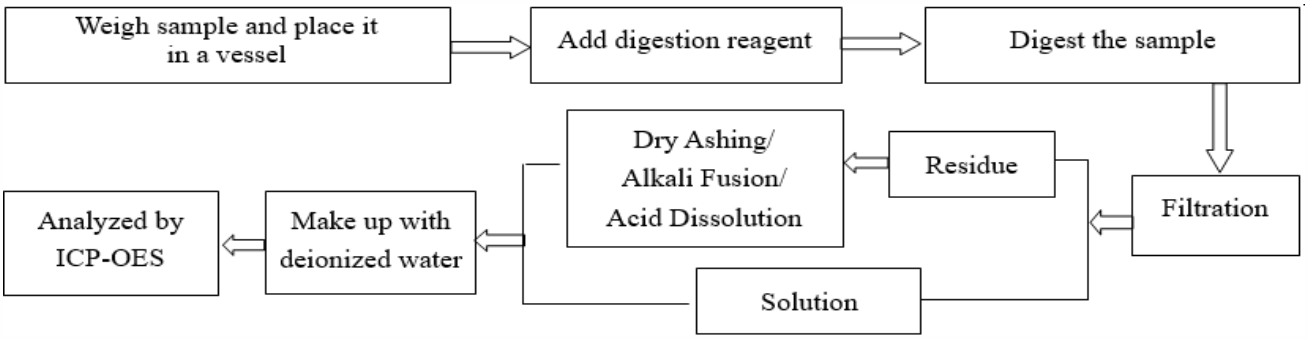
Remark: **-The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-Information Statement: Different Model No. with different buyer, Products are sold to different countries or regions, with different model rules.

-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-1000 mg/kg = 0.1%

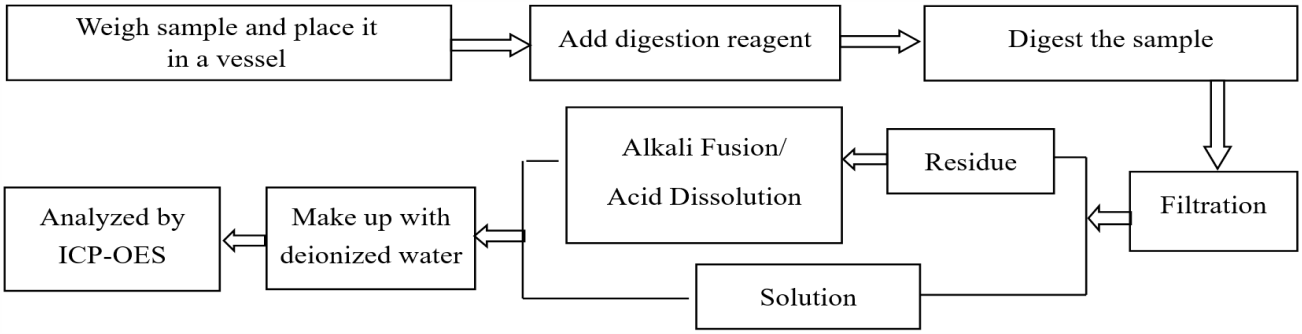
Note: ***indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.**

Test Process

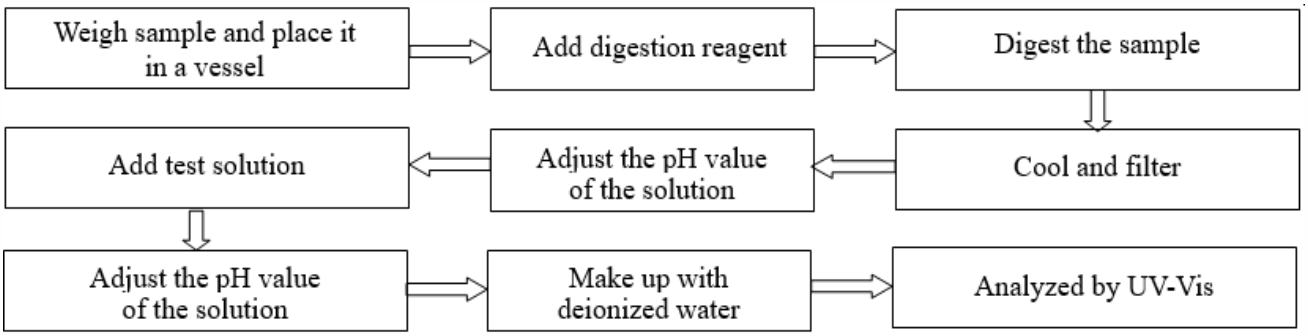
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



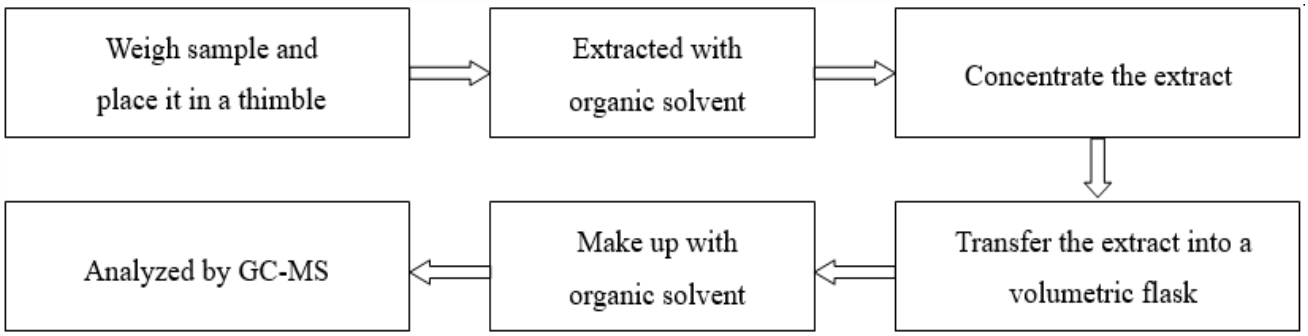
2. Mercury (Hg)



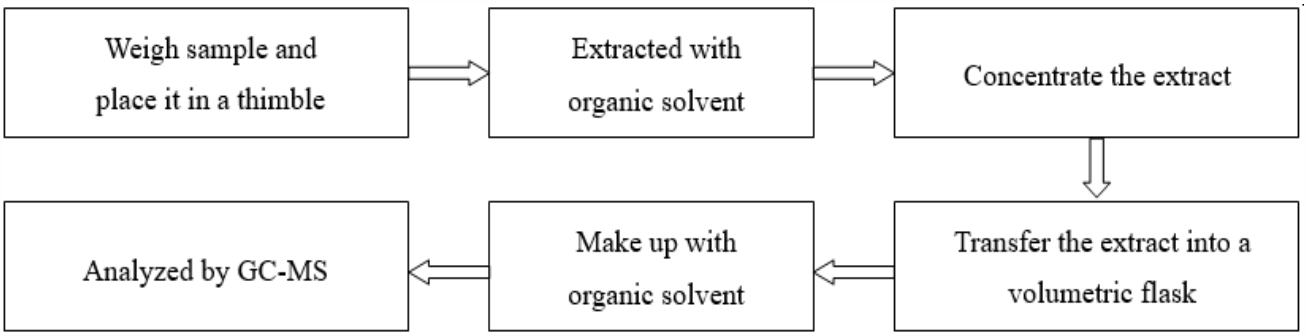
3. Hexavalent Chromium (Cr(VI))



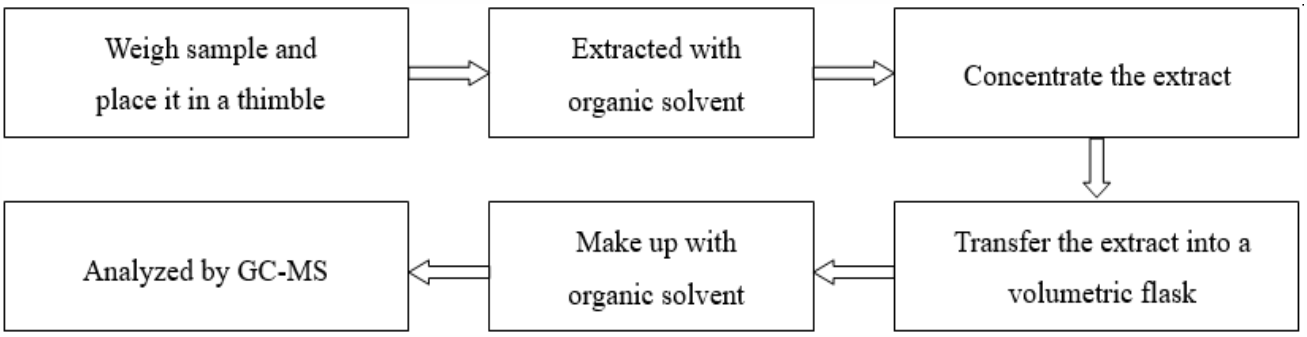
4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



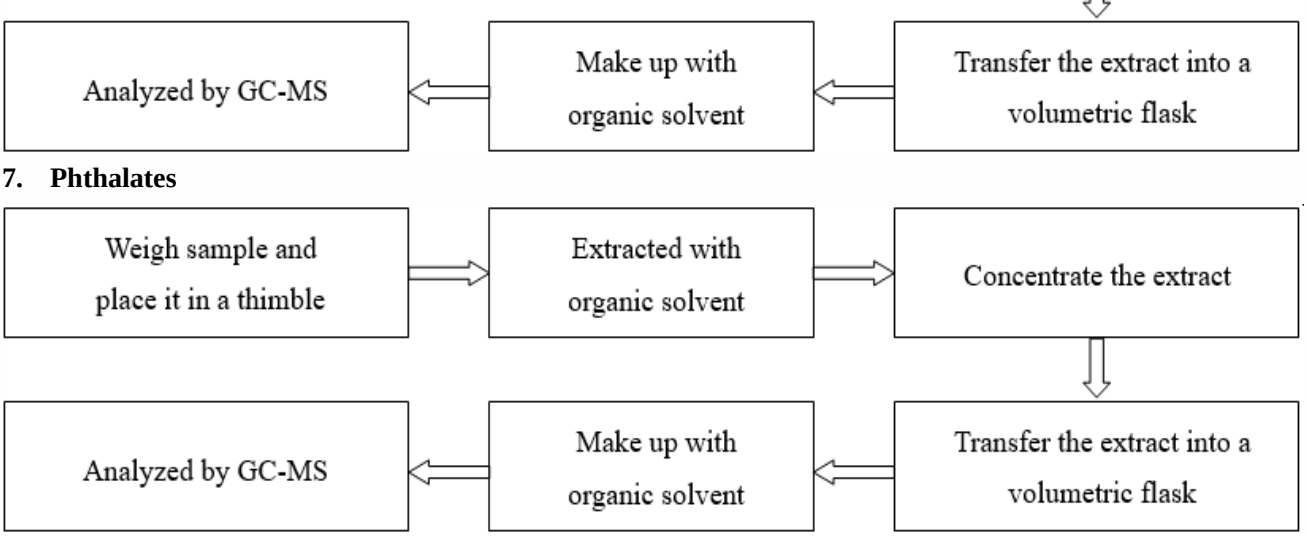
5. Phthalates (DBP, BBP, DEHP, DIBP)



6. Hexabromocyclododecane (HBCDD)



7. Phthalates



Test Report

Report No. A2240282836101018

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 testing reports (if generated), the Chinese version shall prevail.

*** End of report ***

Test Report

Report No. A2240282836101017

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
Phthalates*	Refer to EN 14372:2004(E)	GC-MS

CTI 华测检测

Test Report

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	017		
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
	017		
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
	017		
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

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	017		
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
	017	
Hexabromocyclododecane (HBCDD)	N.D.	20 mg/kg

Tested Item(s)	Result	MDL
	017	
Phthalates*		
Di-2-propylheptyl phthalate (DPHpP) CAS#:53306-54-0	N.D.	30 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	017	Red wire jacket

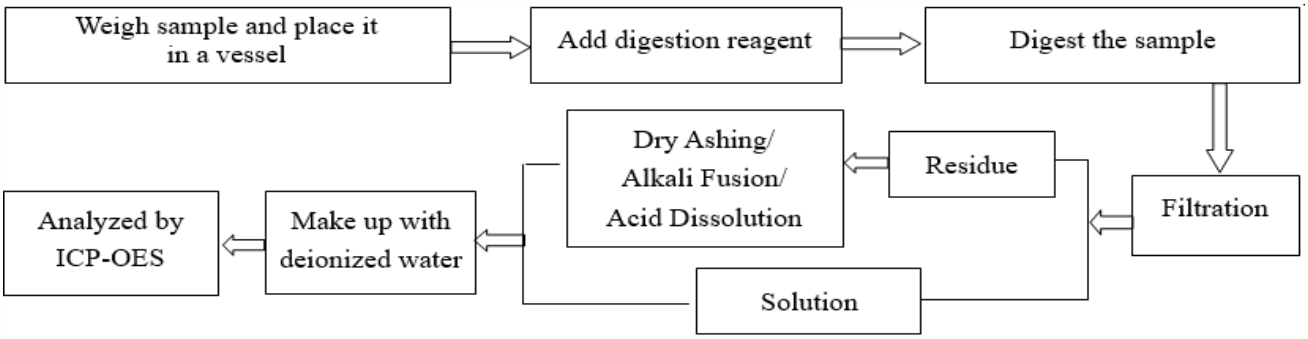
Remark: **-The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-Information Statement: Different Model No. with different buyer, Products are sold to different countries or regions, with different model rules.

-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-1000 mg/kg = 0.1%

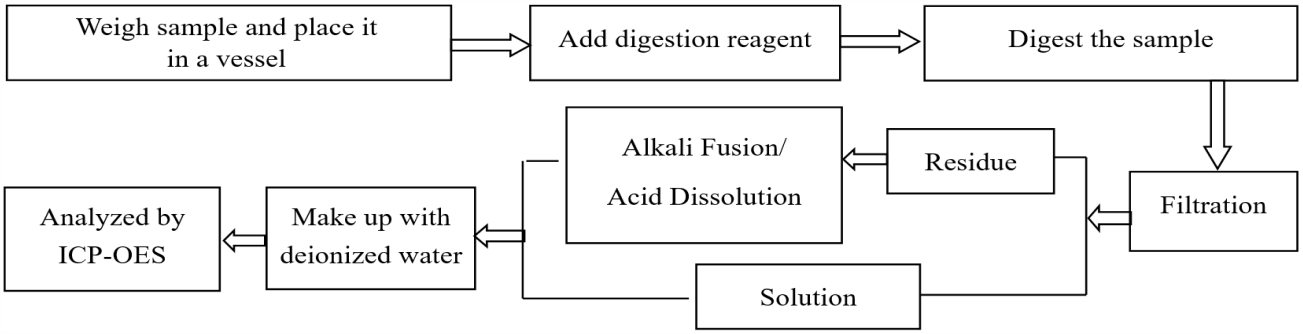
Note: ***indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.**

Test Process

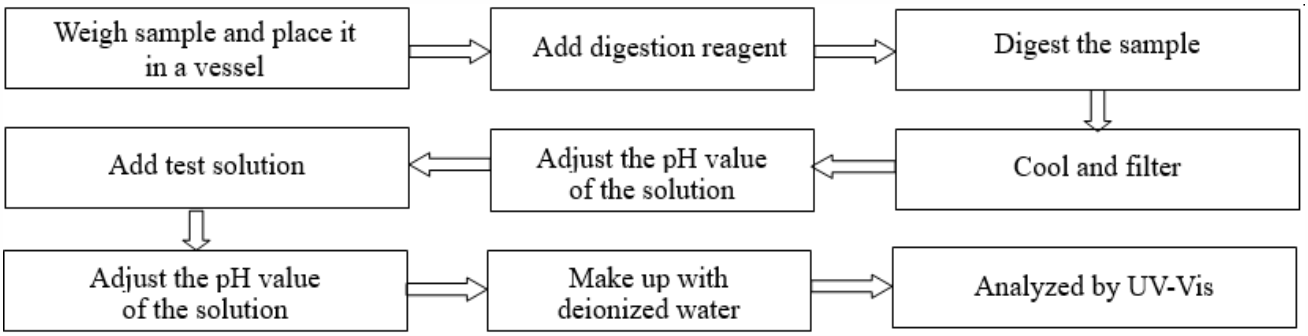
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



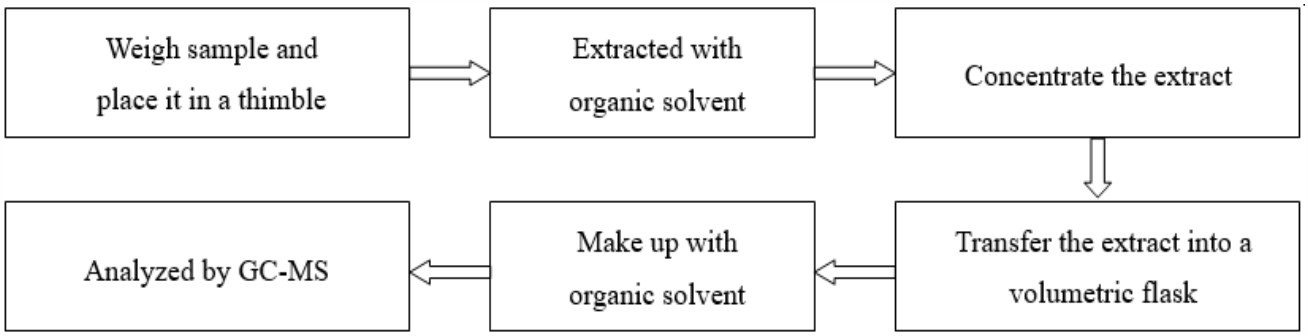
2. Mercury (Hg)



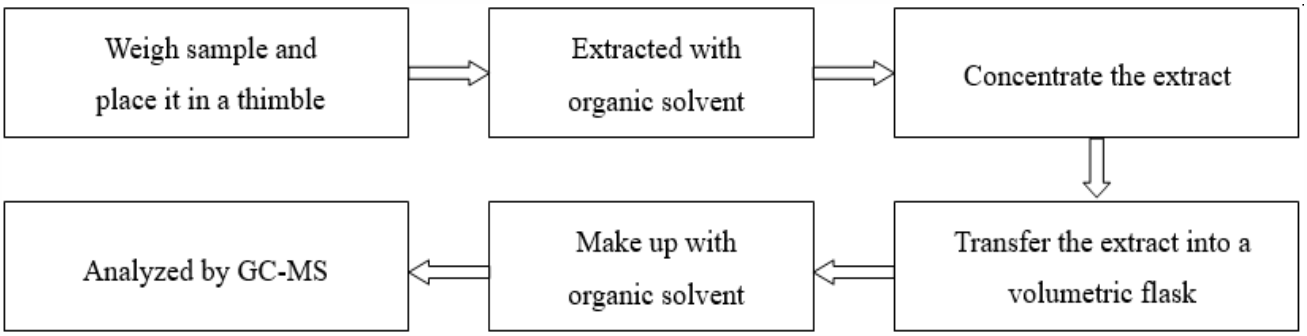
3. Hexavalent Chromium (Cr(VI))



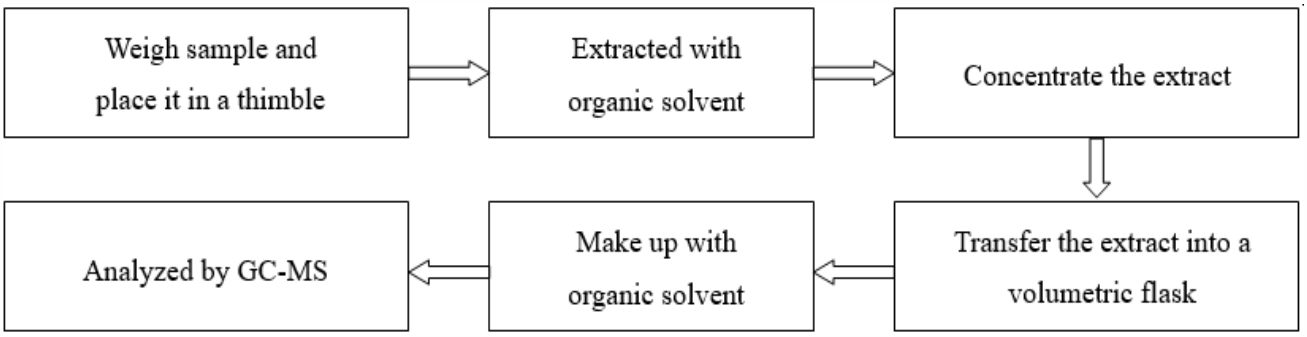
4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



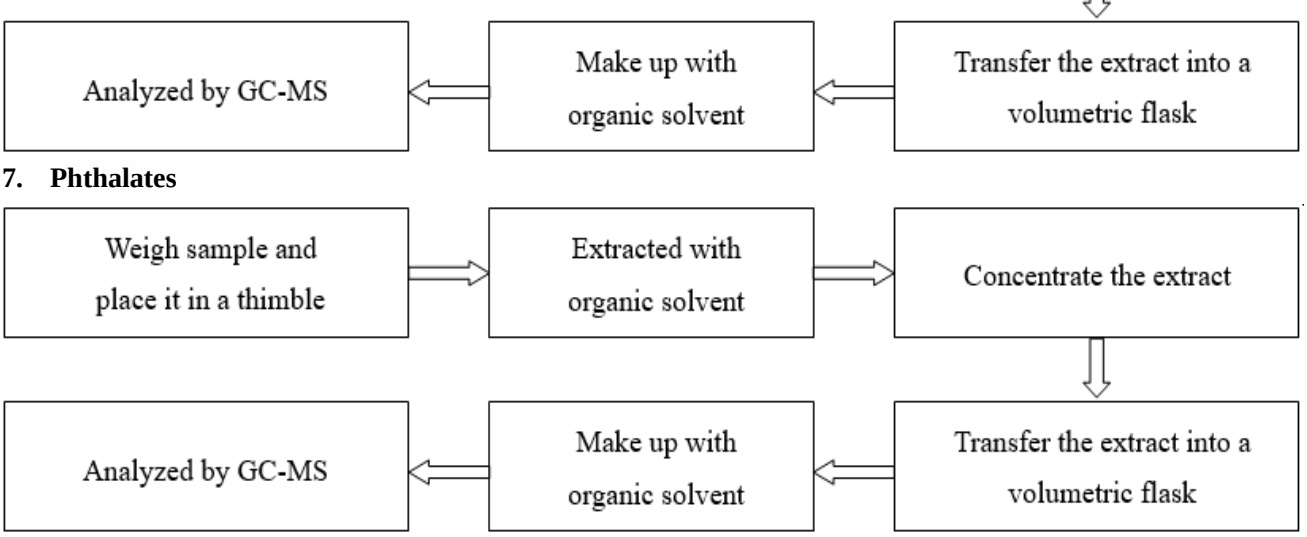
5. Phthalates (DBP, BBP, DEHP, DIBP)



6. Hexabromocyclododecane (HBCDD)



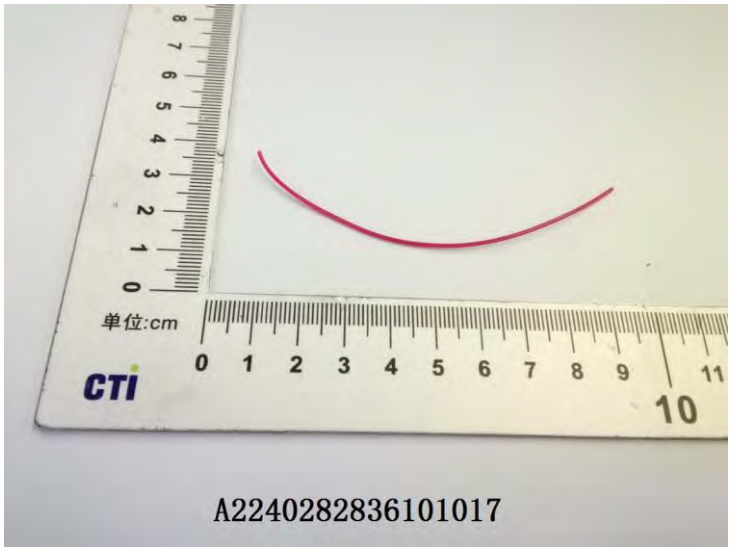
7. Phthalates



Test Report

Report No. A2240282836101017

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 testing reports (if generated), the Chinese version shall prevail.

*** End of report ***

Test Report

Report No. A2240282836101013

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
Phthalates*	Refer to EN 14372:2004(E)	GC-MS

CTI 华测检测

Test Report

Report No. A2240282836101013

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	013		
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
	013		
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
	013		
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

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	013		
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
	013	
Hexabromocyclododecane (HBCDD)	N.D.	20 mg/kg

Tested Item(s)	Result	MDL
	013	
Phthalates*		
Di-2-propylheptyl phthalate (DPHpP) CAS#:53306-54-0	N.D.	30 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	013	Blue wire jacket

Remark: **-The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-Information Statement: Different Model No. with different buyer, Products are sold to different countries or regions, with different model rules.

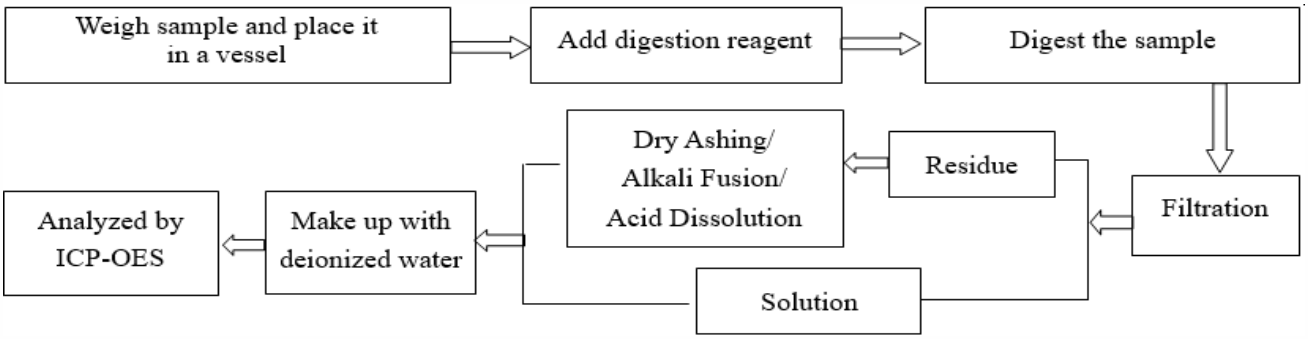
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-1000 mg/kg = 0.1%

Note: ***indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.**

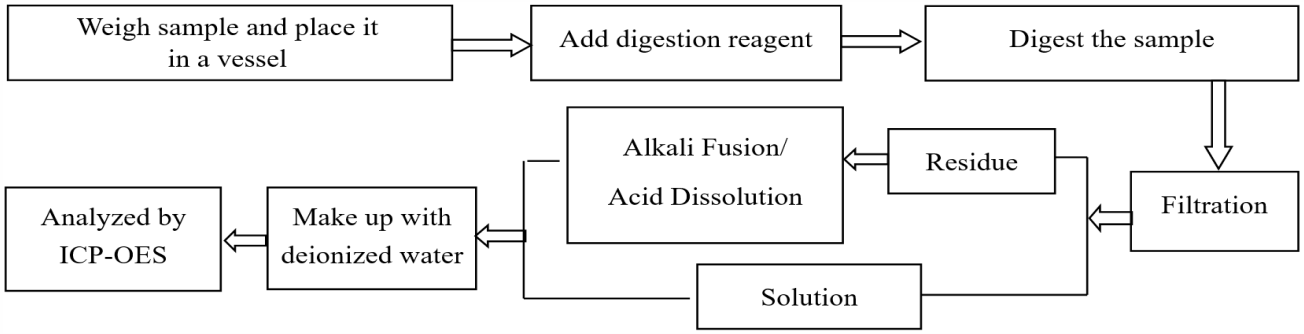
Test Report

Test Process

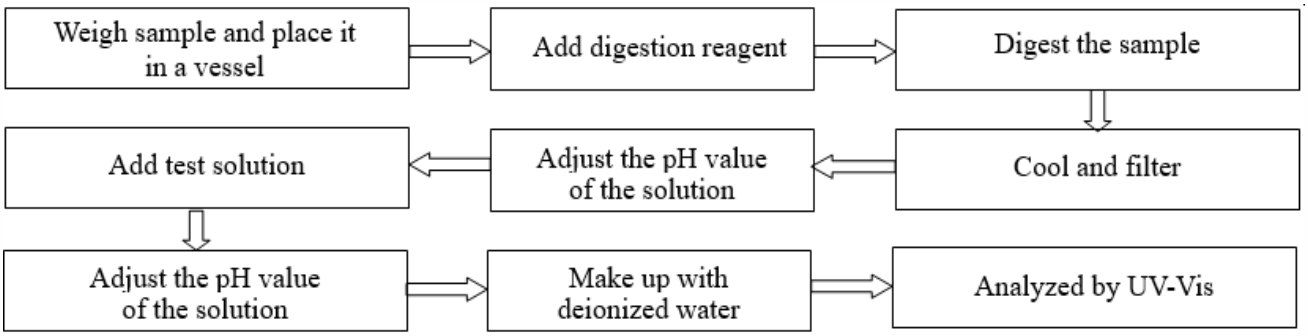
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



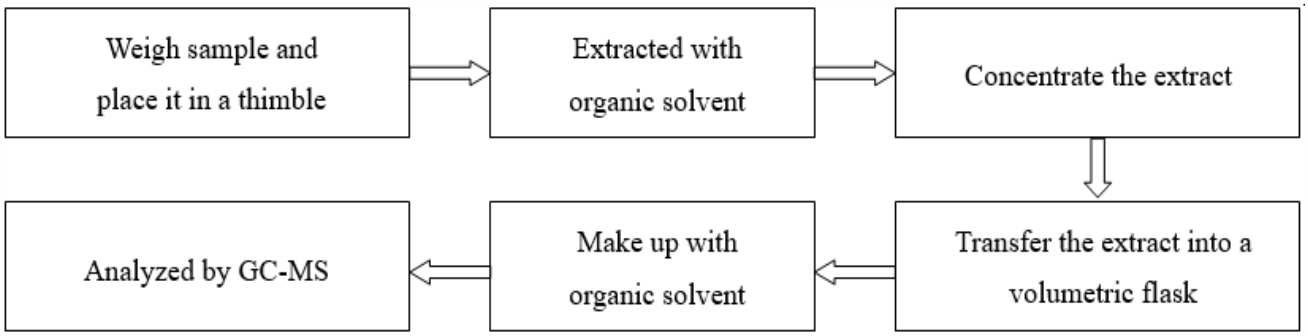
2. Mercury (Hg)



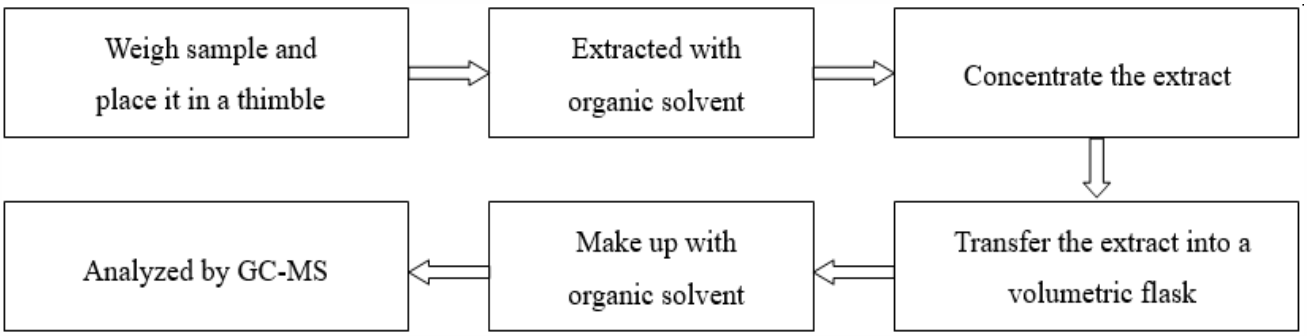
3. Hexavalent Chromium (Cr(VI))



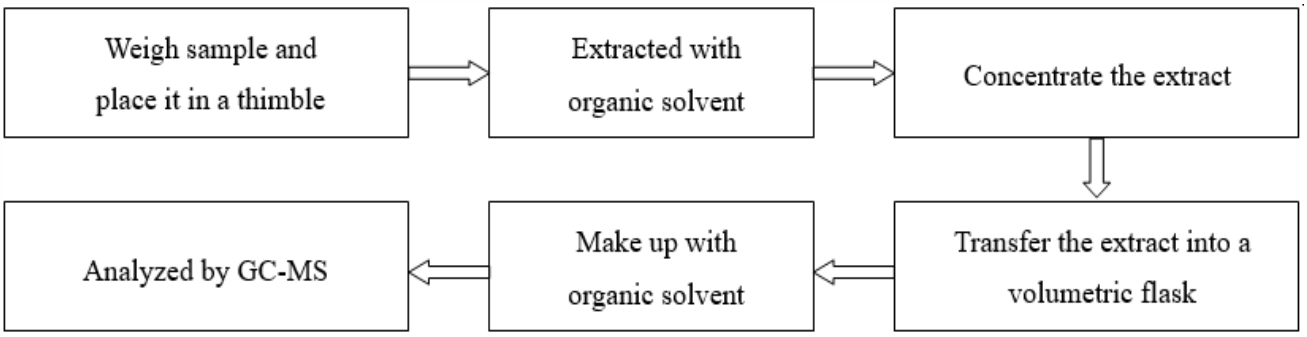
4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



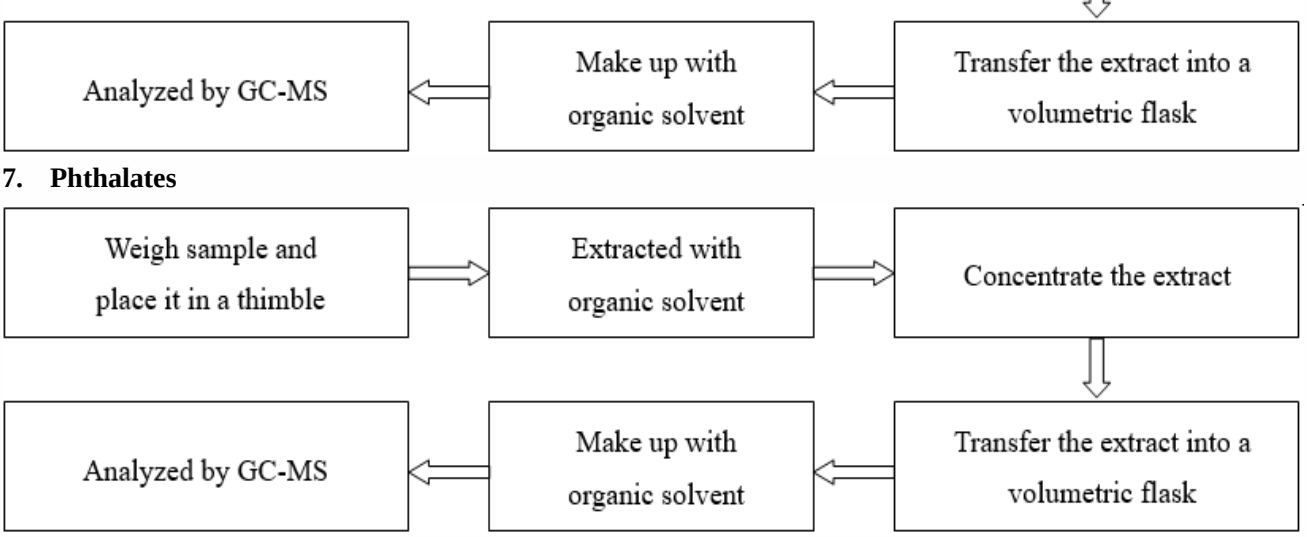
5. Phthalates (DBP, BBP, DEHP, DIBP)



6. Hexabromocyclododecane (HBCDD)



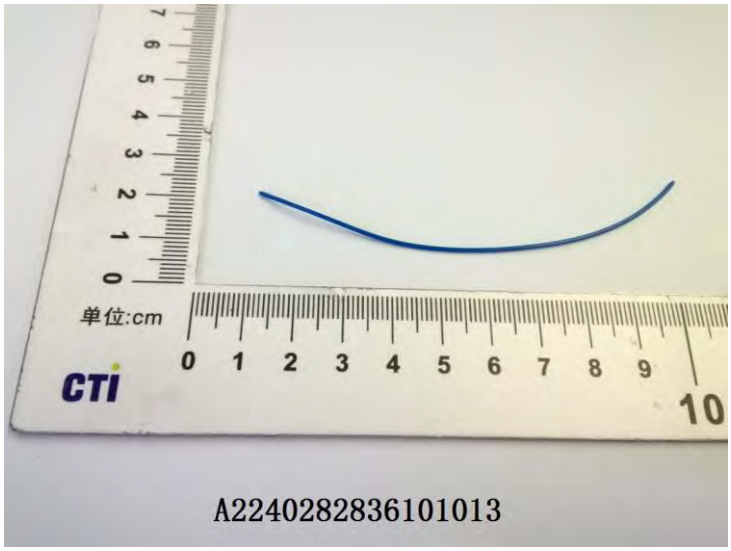
7. Phthalates



Test Report

Report No. A2240282836101013

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 testing reports (if generated), the Chinese version shall prevail.

*** End of report ***

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
Phthalates*	Refer to EN 14372:2004(E)	GC-MS

CTI 华测检测

Test Report

Report No. A2240282836101014

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	014		
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
	014		
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
	014		
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. A2240282836101014

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	014		
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
	014	
Hexabromocyclododecane (HBCDD)	N.D.	20 mg/kg

Tested Item(s)	Result	MDL
	014	
Phthalates*		
Di-2-propylheptyl phthalate (DPHpP) CAS#:53306-54-0	N.D.	30 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	014	White wire jacket

Remark: **-The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-Information Statement: Different Model No. with different buyer, Products are sold to different countries or regions, with different model rules.

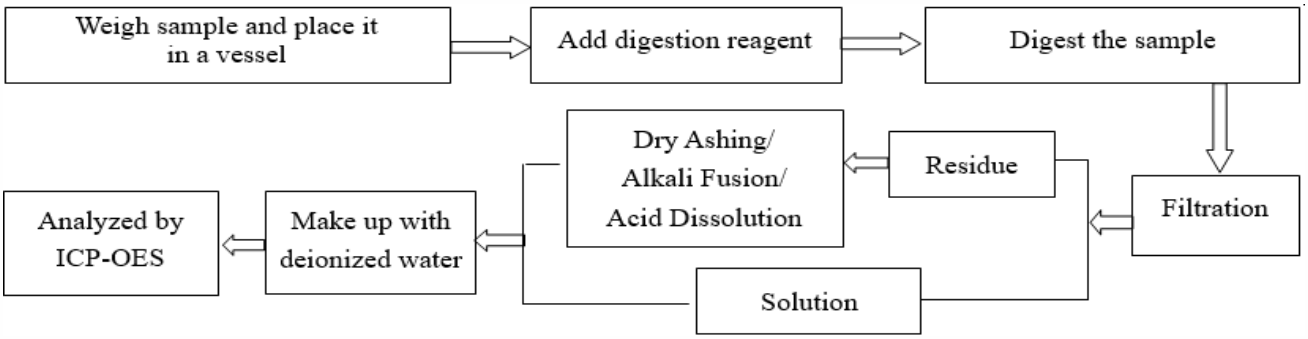
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-1000 mg/kg = 0.1%

Note: ***indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.**

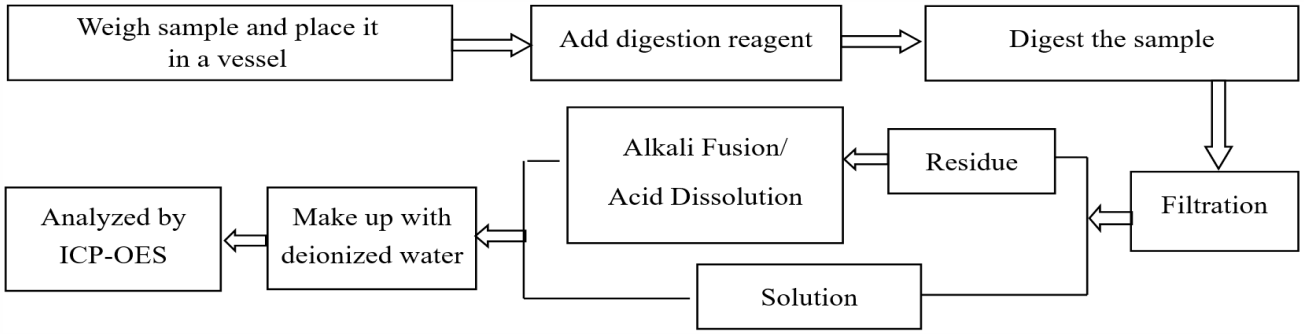
Test Report

Test Process

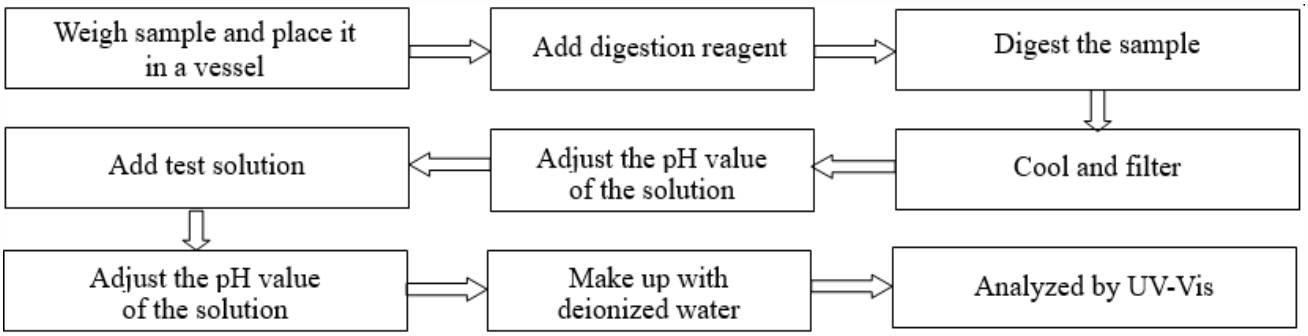
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



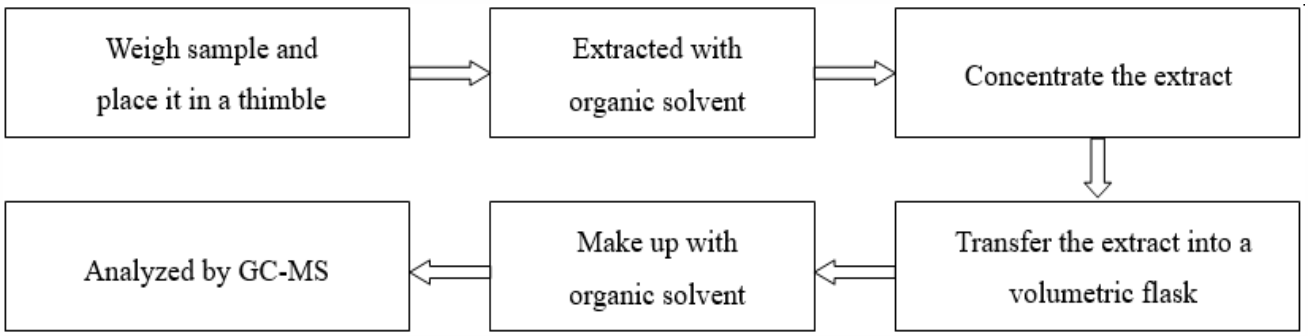
2. Mercury (Hg)



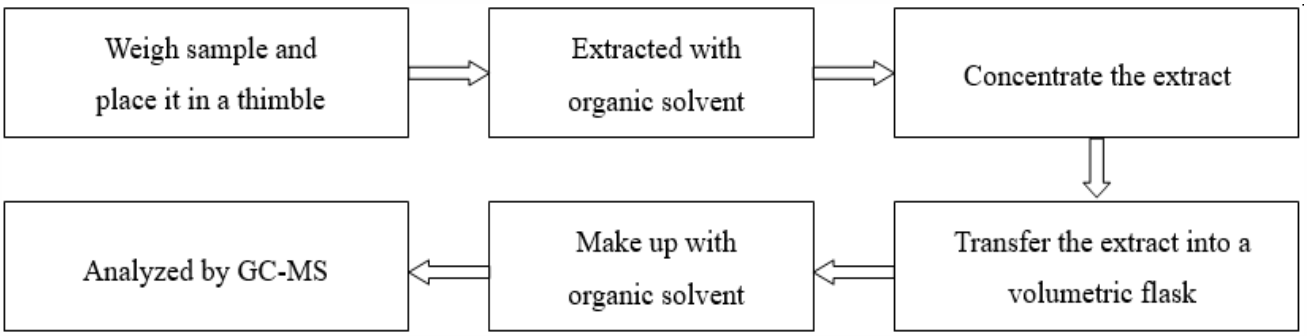
3. Hexavalent Chromium (Cr(VI))



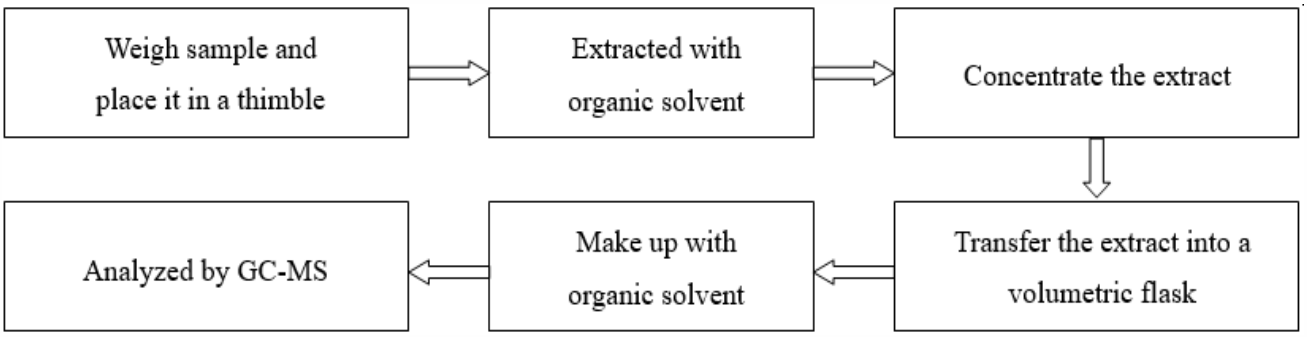
4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



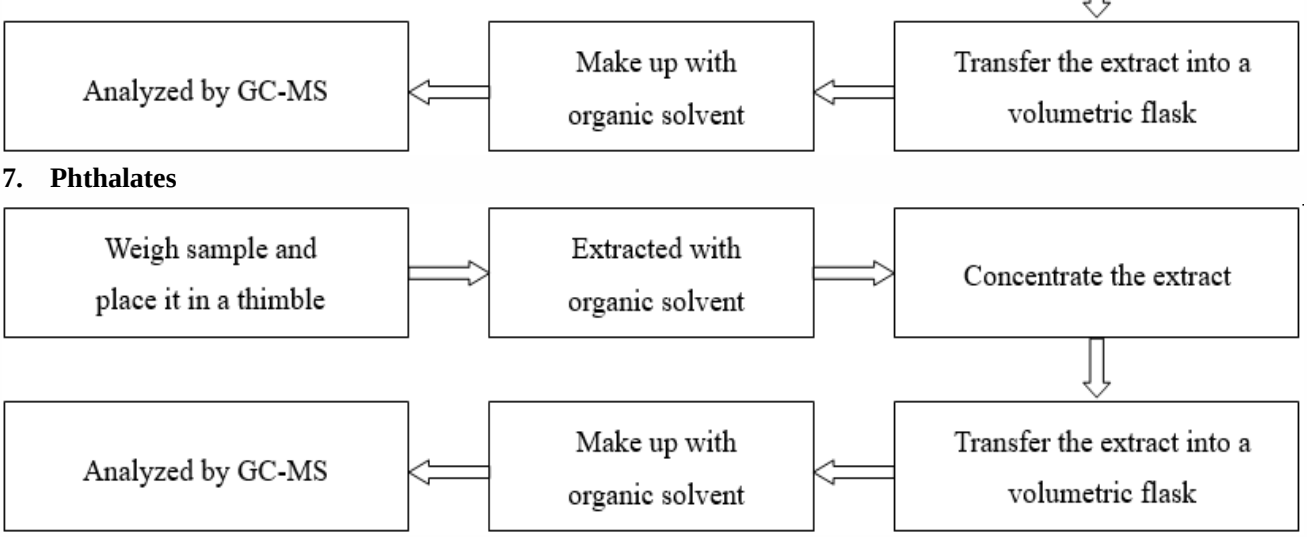
5. Phthalates (DBP, BBP, DEHP, DIBP)



6. Hexabromocyclododecane (HBCDD)



7. Phthalates



Test Report

Report No. A2240282836101014

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 testing reports (if generated), the Chinese version shall prevail.

*** End of report ***

Test Report

No.: CANEC24002065602 **Date:** Feb 04, 2024

Client Name: DONGGUAN LUCKY FLY CONDUCTORCO.LTD

Client Address: QIAO ZI REGION CHANGPING TOWN DONGGUAN CITY GUANGDONG PROVINCE

Sample Name: TINNED COPPER WIRE

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

SGS Job No.: GZP24-002885

Sample Receiving Date: Jan 26, 2024

Testing Period: Jan 26, 2024 ~ Feb 03, 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
AfPS GS 2019:01 PAK-Polycyclic Aromatic Hydrocarbons (PAHs)	See Results
Perfluorooctane Sulfonates (PFOS) and its derivatives	See Results
Element(s)	See Results

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

Arsene Ye

Arsene Ye
Approved Signatory

scan to see the report

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
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 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	CAN24-0020656-0001.C002	Silvery plated metal wire

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
Polybrominated biphenyls (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
Polybrominated diphenyl ethers (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

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

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) ▼ =
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.

AfPS GS 2019:01 PAK-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	A2
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
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 Phenanthrene(PHE), Pyrene(PYR), Anthracene(ANT), Fluoranthene(FLT)	-	mg/kg	-	ND
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Sum of 15 PAHs	-	mg/kg	-	ND

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

Test Item(s)	CAS No.	Unit(s)	MDL	A2
Material Category	-	-	-	-

Notes:

AfPS（German commission for Product Safety）: PAHs 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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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

Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT), mg/kg	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP) mg/kg	< 1	< 2		< 10	
Sum of 15 PAHs	<1	< 5	< 10	< 20	< 50

Notes:
[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 German committee on Product Safety (AfPS) published a new PAHs document (AfPS GS 2019:01 PAK) on April 10, 2020, which will be binding for the issue of GS mark certificate from July 1, 2020.

Perfluorooctane Sulfonates (PFOS) and its derivatives

Test Method: Modified CEN/TS 15968:2010, analysis was performed by LC-MS or LC-MS/MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A2
PFOS and its derivatives	-	mg/kg	-	ND
Perfluorooctane Sulfonates (PFOS) and its salts*	1763-23-1	mg/kg	0.010	ND
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	mg/kg	0.010	ND
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	mg/kg	0.010	ND
2-(N-ethylperfluoro-1-octanesulfonamido) -ethanol (N-EtFOSE)	1691-99-2	mg/kg	0.010	ND
2-(N-methylperfluoro-1-octanesulfonamido) -ethanol (N-MeFOSE)	24448-09-7	mg/kg	0.010	ND
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	mg/kg	0.010	ND

Notes:
(1) Perfluorooctane sulfonates (PFOS) and its salts* including PFOS (CAS No. 1763-23-1), POSF(CAS No. 307-35-7), PFOS-K (CAS No. 2795-39-3), PFOS-NH_4 (CAS No. 29081-56-9), PFOS-$N(C_{10}H_{21})_2(CH_3)_2$ (CAS No. 251099-16-8), PFOS-$NH_2(C_2H_4OH)_2$ (CAS No. 70225-14-8), PFOS-Li (CAS No. 29457-72-5), PFOS-$N(C_2H_5)_4$ (CAS No. 56773-42-3) and PFOS-Na (CAS No. 4021-47-0). The result of PFOS is used to represent PFOS and its salts.

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

Element(s)

Test Method: With reference to US EPA 3050B:1996, analysis was performed by ICP-OES/AAS.

Test Item(s)	Unit(s)	MDL	A2
Beryllium(Be)	mg/kg	5	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.

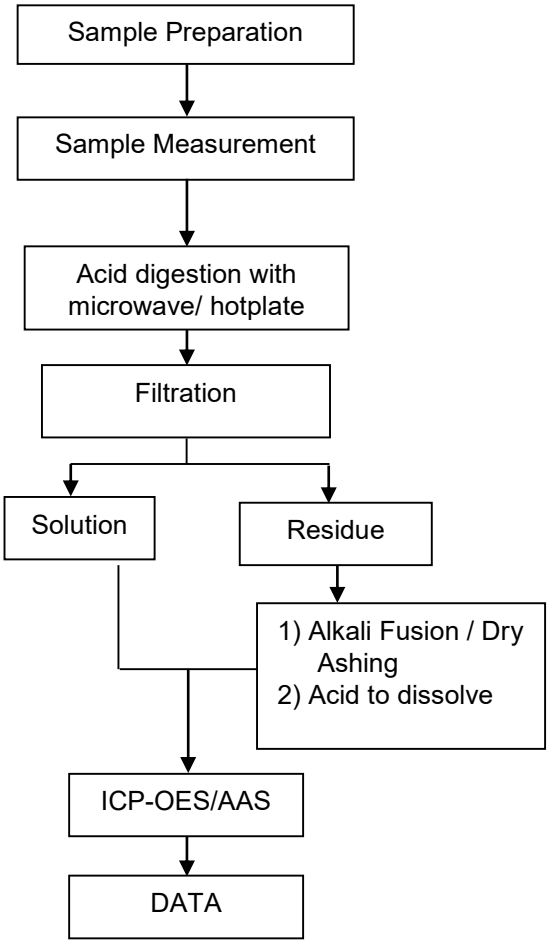
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Technical Services Laboratory
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

ATTACHMENTS

Elements Testing Flow Chart

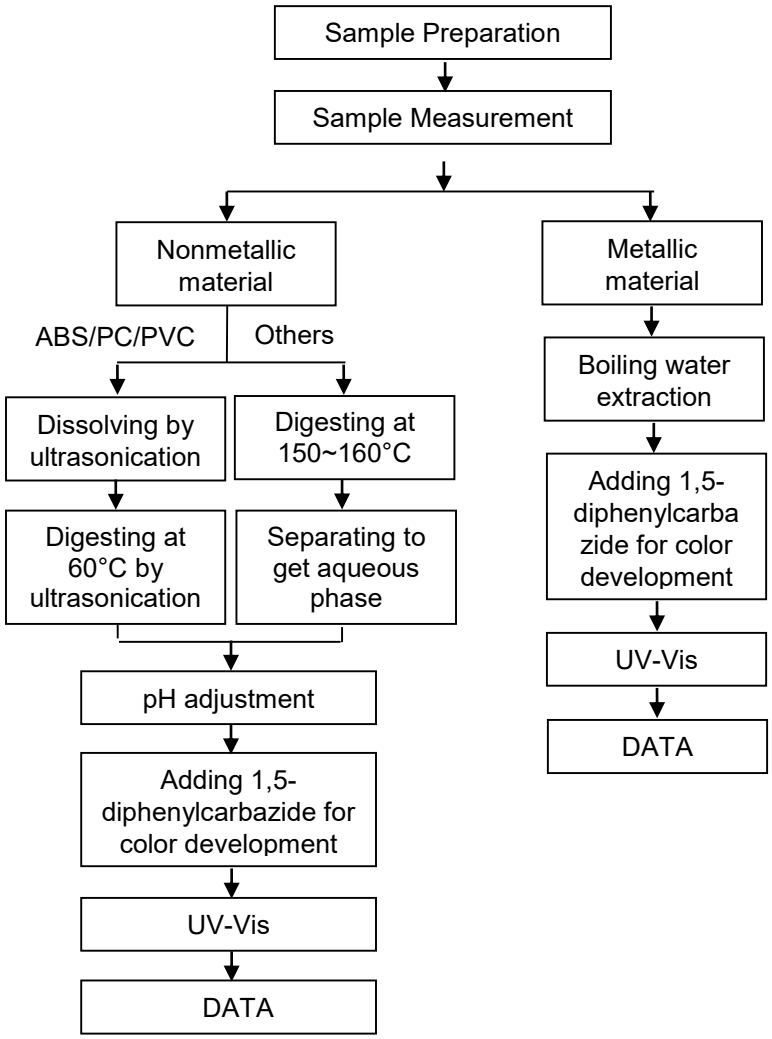
These samples were dissolved totally by pre-conditioning method according to below flow chart.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

ATTACHMENTS

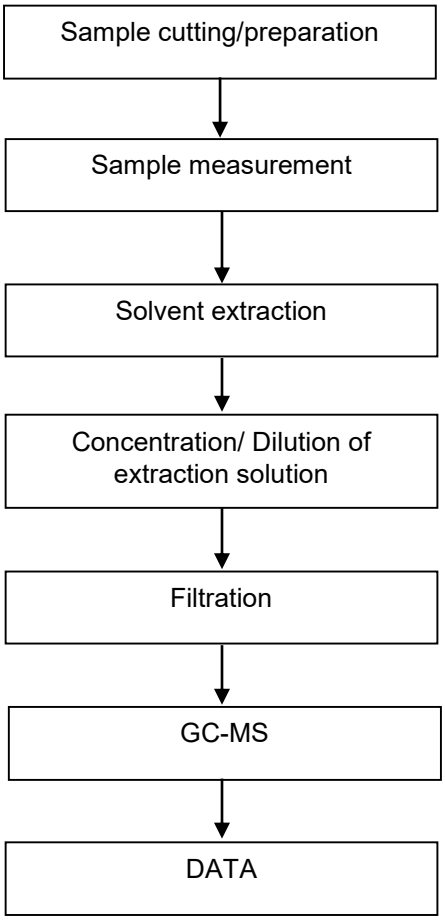
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

ATTACHMENTS

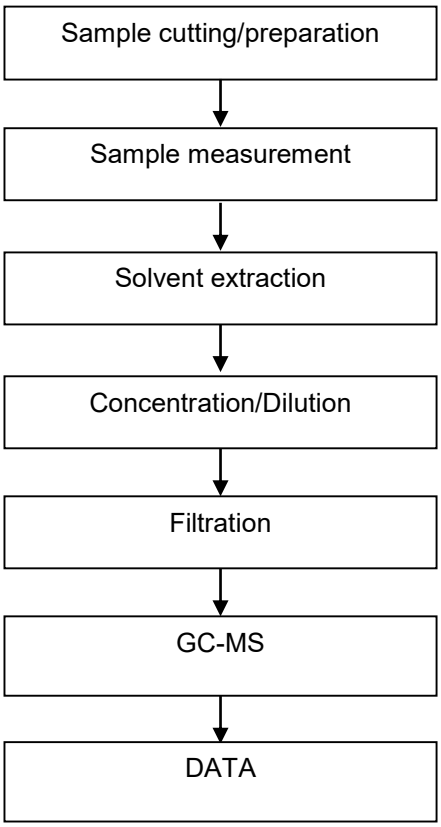
PBB/PBDE Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

ATTACHMENTS

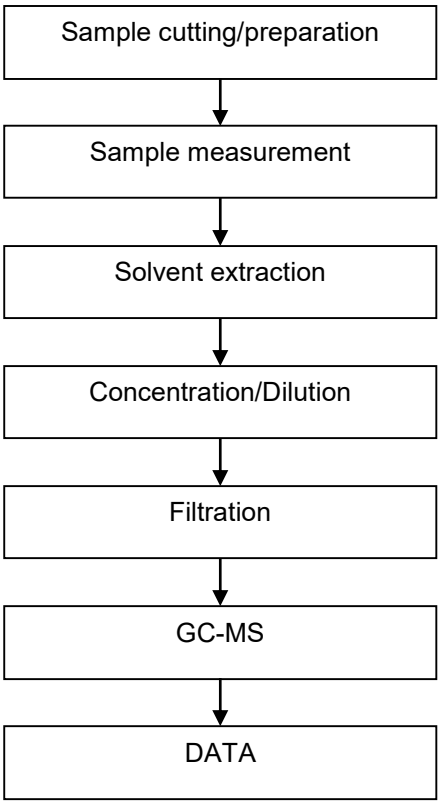
Phthalates Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

ATTACHMENTS

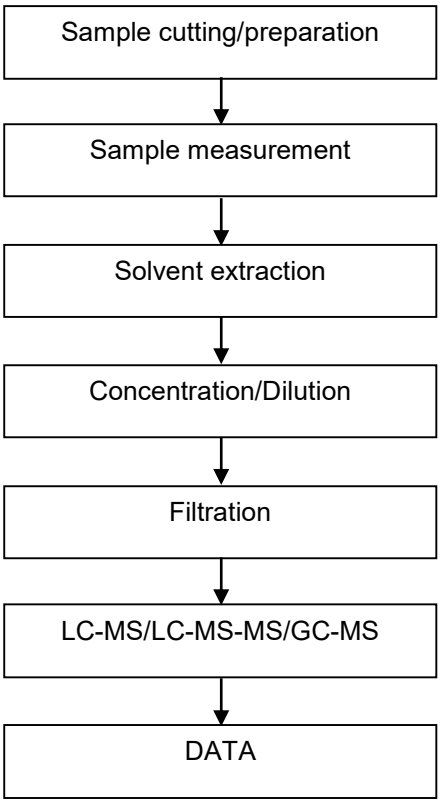
PAHs Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

ATTACHMENTS

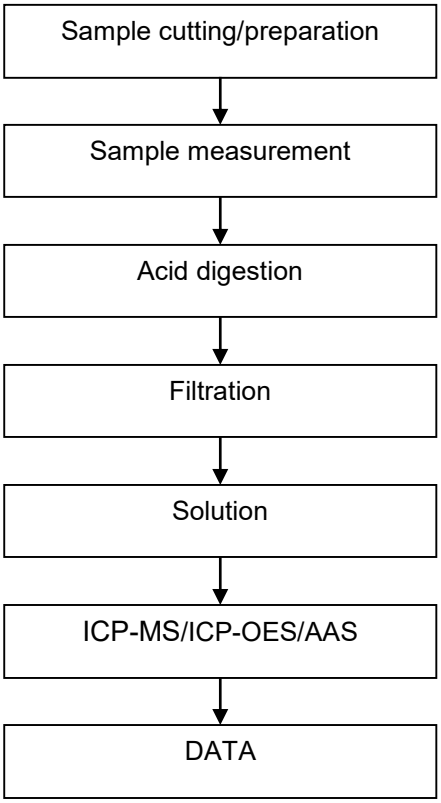
PFASs/ PFOS/PFOA Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

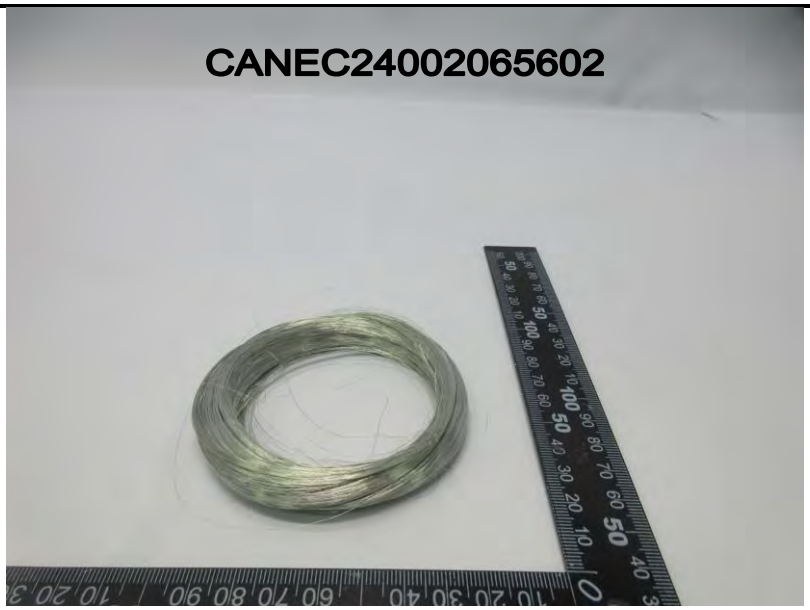
ATTACHMENTS

Elements Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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
Member of the SGS Group (SGS SA)

Sample Photo:



CAN24-0020656-0001.C002

SGS authenticate the photo on original report only

*** End of Report ***

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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