JiangSu Yongshuo Electronics Co.,Ltd

Initial Sample Specification Sheets For Customer To Approve

Customer	DIVA
Model	/
Part No.	3H210002403(H0148)
Part Name	GASKET(W10*H5.5*L80)
Quantity	/
Date	2026/3/9

Material	导电泡棉
Adhesive	/

Seal of Yongshuo Approved Indication:

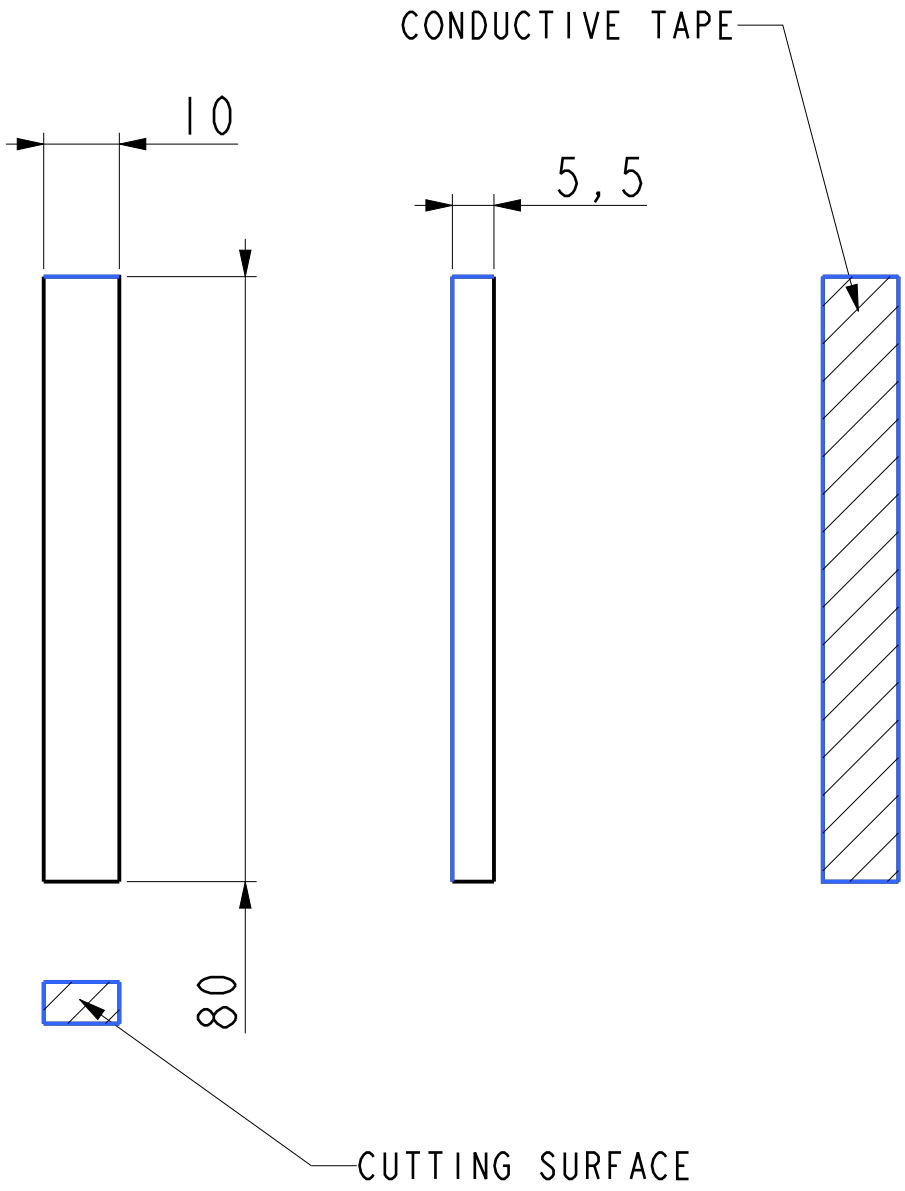
Department&Signature	Stamp
李浩/QA	

Seal of Customer Approved Indication:

Department&Signature	Stamp
設計驗證 工程課 2026 -03- 11 發行	

Changshu City Xinzhuang Road 1378 XingrunZhigu Industrial Park 31 building ,Tel:0512-81569888

P/N	REV	SYMBOL	DESCRIPTION	LOCATED	REASON	SIGN	DATE
4G.2AK02.001	A		FIRST RELEASE		/	DAVID DW LIU	2013/10/24



設計驗證
工程課
2026 -03- 11
發行
鈺蜂科技開發股份有限公司

NOTES:
1. MATERIAL: POLYURETHANE FOAM & CONDUCTIVE FABRIC
2. CONDUCT RESISTANCE BETWEEN CONDUCTIVE ADHESIVE & CONDUCTIVE FABRIC MUST BELOW 20Ω
3. PART IS TO BE FREE OF OIL AND CONTAMINATION
4. TOLERANCE CLASS: D

3H210002403(H0148)

MODEL	EP17TF4		NAME GASKET L80*W10*H5.5 EP17TF4			
DRN	DAVID DW LIU	2013/10/24	MATERIAL	POLYURETHANE FOAM & CONDUCTIVE FABRIC		
DSN	DAVID DW LIU	2013/10/24	FINISH	/		
CKD	/	/	SCALE	1:1	DIM IN	mm
APPD	MARK PENG	2013/10/24	SHEET	1 OF 1	CAVITIES	1

Qisda Corporation

TOLERANCE UNLESS OTHERWISE SPECIFIED (±)

CLASS	A	B	C	D	E	F	G
< 8mm	0.05	0.1	0.1	0.2	0.2	0.4	0.4
8 ~ 25mm	0.08	0.15	0.15	0.3	0.3	0.6	0.6
25 ~ 80mm	0.12	0.2	0.25	0.4	0.5	0.8	1.0
80 ~ 250mm	0.25	0.3	0.4	0.6	0.8	1.2	1.5
250 ~ 800mm	0.5	0.6	0.8	1.0	1.5	2.0	3.0
> 800mm	1.0	1.0	1.5	1.7	3.0	4.0	6.0
ANGLE	0.5						
FILE NAME	GASKET L80*W10*H5.5 EP17TF4						
PART NO.	4G.2AK02.001						

江苏永硕电子

Dimension Approval Sheet

Model Name: /	Sample Appr.Sheet No.:
Part Name: 3H210002403	Material:导电泡棉
Part Number GASKET(W10*H5.5*L80)	Color: /
Vendor: JiangSu Yongshuo Electronics Co.,Ltd	Date: 2026/3/9

Inspection Gauge:

Caliper ·····(C)	Thickness Gauge·····(T)	Hauge BlocK·····(B)	R&D	
Micrometer·····(M)	Height Gauge ·····(H)	Go.No-Go ·····(G)	QC	
Opt.Comparator·····(O)	Dial Indicator ·····(D)	Microscope·····(S)	Purchase	
Projection·····(P)	Flexible Rule·····(F)	EYE·····(E)	Vendor	■

Item	Chec Code	Specification		Cav. NO.	Part Reading/Condition					Status	Gauge Code
					Sample:1	Sample:2	Sample:3	Sample:4	Sample:5		
1	P	80.0	±0.4		80.10	80.05	80.09	80.01	79.96	OK	
2	P	10.0	±0.3		10.05	10.03	9.90	10.06	9.98	OK	
3	P	5.5	±0.2		5.51	5.52	5.58	5.62	5.55	OK	
4											
5											
6											
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14											

Initiator: 李浩 Approved By: 陆英姿

CPK Report

版本：V1.1

	Part Number(料号)	3H210002403	Vendor(供应商)	江苏永硕电子	
	Description(零件名称)		Inspected(确认者)	陆英姿	
	Tool Number(模号)		Inches/MM(英寸/毫米)	MM	
	Cavity(穴号)		laterial Name(材质名称)	导电泡棉	
			Material Code(材质牌号)	导电泡棉	
	Revision(版本)	A	Date(日期)	9-Mar-26	

Dim. Designator(尺寸序号)	1	2	3		
Nominal(公称尺寸)	10.00	80.00	5.50		
+ Tolerance(正公差)	0.30	0.40	0.20		
- Tolerance(负公差)	-0.30	-0.40	-0.2		
Upper Limit(规格上限)	10.30	80.40	5.70		
Lower Limit(规格下限)	9.70	79.60	5.30		
1	10.03	80.01	5.57		
2	10.00	80.09	5.53		
3	10.06	80.04	5.57		
4	10.05	80.00	5.56		
5	10.04	80.02	5.51		
6	10.07	80.04	5.59		
7	10.13	80.05	5.56		
8	10.08	80.04	5.58		
9	10.16	80.06	5.61		
10	10.06	80.07	5.57		
11	10.09	80.01	5.54		
12	10.08	80.03	5.54		
13	10.05	80.05	5.60		
14	10.07	80.01	5.59		
15	10.07	80.04	5.56		
16	10.07	80.04	5.53		
17	10.09	80.03	5.50		
18	10.12	80.06	5.51		
19	10.03	80.08	5.60		
20	10.04	80.09	5.52		
21	10.10	80.07	5.51		
22	10.09	80.03	5.54		
23	10.04	80.01	5.52		
24	10.05	80.10	5.53		
25	10.06	80.05	5.59		
26	10.06	80.03	5.57		
27	10.06	80.05	5.59		
28	10.06	80.09	5.59		
29	10.01	80.08	5.52		
30	10.10	80.03	5.58		
31					
32					
MAX.	10.16	80.10	5.61		
MIN.	10.00	80.00	5.50		
AVERAGE	10.07	80.05	5.56		
STDEV	0.03	0.03	0.03		
CP	2.99	4.97	2.08		
Cpk	2.32	4.39	1.49		
TOOLING(测量工具)	卡尺	卡尺	卡尺		

审核：杨勇　　制表：陆英姿　　日期:2026-3-9

检测报告

报告编号 A2250553581101001C

报告抬头公司名称 苏州宙畅电子科技有限公司

地　　址 苏州市高新区珠江路511号

以下测试之样品及样品信息由申请者提供并确认

样品名称	导电布
材料名称	灰色导电布
样品接收日期	2025.08.01
样品检测日期	2025.08.01-2025.08.05
检测要求	根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)，邻苯二甲酸酯(DBP，BBP，DEHP，DIBP)，氟(F)，氯(Cl)，溴(Br)，碘(I)，六溴环十二烷(HBCDD)进行测试。
检测依据	请参见下页。
检测结果	请参见下页。

****

结论

测试样品	依据标准/指令	结果
提交样品	欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863	符合

****

符合表示检测结果满足欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863要求的限值。

批　　准　　陈凯敏　　日　　期　　2025.08.05

实验室经理

No. R780112511

上海华测品标检测技术有限公司　　上海市闵行区万芳路1351号

检测报告

检测依据

测试项目	测试方法	测试仪器
铅(Pb)	IEC 62321-5:2013	ICP-OES
镉(Cd)	IEC 62321-5:2013	ICP-OES
汞(Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬(Cr(VI))	IEC 62321-7-2:2017和/或IEC 62321-5:2013测试总铬含量	UV-Vis/ICP-OES
多溴联苯(PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚(PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS
氟(F)	EN 14582:2016	IC
氯(Cl)	EN 14582:2016	IC
溴(Br)	EN 14582:2016	IC
碘(I)	EN 14582:2016	IC
六溴环十二烷(HBCDD)	IEC 62321-9:2021	GC-MS

检测报告

检测结果

测试项目	结果	方法检出限	限值
	001		
铅(Pb)	N.D.	2 mg/kg	1000 mg/kg
镉(Cd)	N.D.	2 mg/kg	100 mg/kg
汞(Hg)	N.D.	2 mg/kg	1000 mg/kg
六价铬(Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

测试项目	结果	方法检出限	限值
	001		
多溴联苯(PBBs)			
一溴联苯	N.D.	5 mg/kg	1000 mg/kg
二溴联苯	N.D.	5 mg/kg	
三溴联苯	N.D.	5 mg/kg	
四溴联苯	N.D.	5 mg/kg	
五溴联苯	N.D.	5 mg/kg	
六溴联苯	N.D.	5 mg/kg	
七溴联苯	N.D.	5 mg/kg	
八溴联苯	N.D.	5 mg/kg	
九溴联苯	N.D.	5 mg/kg	
十溴联苯	N.D.	5 mg/kg	

测试项目	结果	方法检出限	限值
	001		
多溴二苯醚(PBDEs)			
一溴二苯醚	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚	N.D.	5 mg/kg	
三溴二苯醚	N.D.	5 mg/kg	
四溴二苯醚	N.D.	5 mg/kg	
五溴二苯醚	N.D.	5 mg/kg	
六溴二苯醚	N.D.	5 mg/kg	
七溴二苯醚	N.D.	5 mg/kg	
八溴二苯醚	N.D.	5 mg/kg	
九溴二苯醚	N.D.	5 mg/kg	
十溴二苯醚	N.D.	5 mg/kg	

检测报告

报告编号 A2250553581101001C

检测结果

测试项目	结果	方法检出限	限值
	001		
邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)			
邻苯二甲酸二丁酯(DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄基酯(BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二(2-乙基)己酯(DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯(DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

测试项目	结果	方法检出限
	001	
氟(F)	N.D.	10 mg/kg
氯(Cl)	N.D.	10 mg/kg
溴(Br)	N.D.	10 mg/kg
碘(I)	N.D.	10 mg/kg

测试项目	结果	方法检出限
	001	
六溴环十二烷(HBCDD)	N.D.	20 mg/kg

样品/部位描述

序号	CTI样品ID	描述
1	001	银灰色布

备注： **对于检测铅，镉，汞之样品已消解完全。**

-N.D. = 未检出 (小于方法检出限)

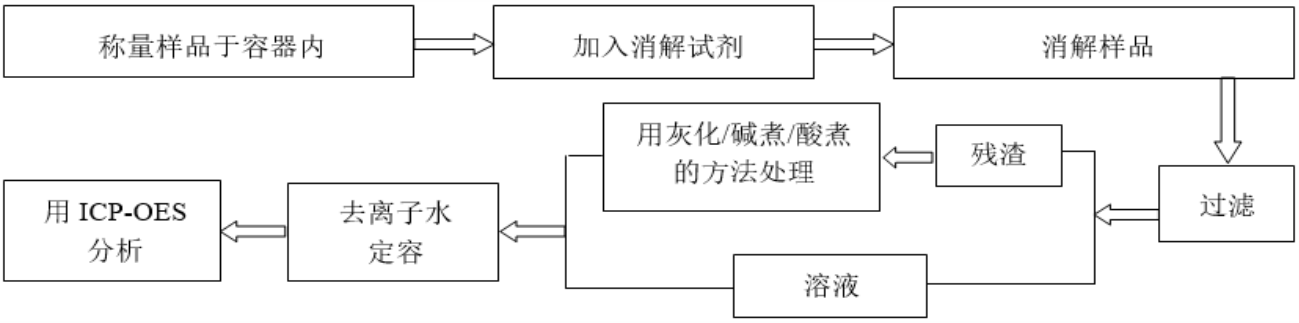
-mg/kg = ppm = 百万分之一

-1000 mg/kg = 0.1%

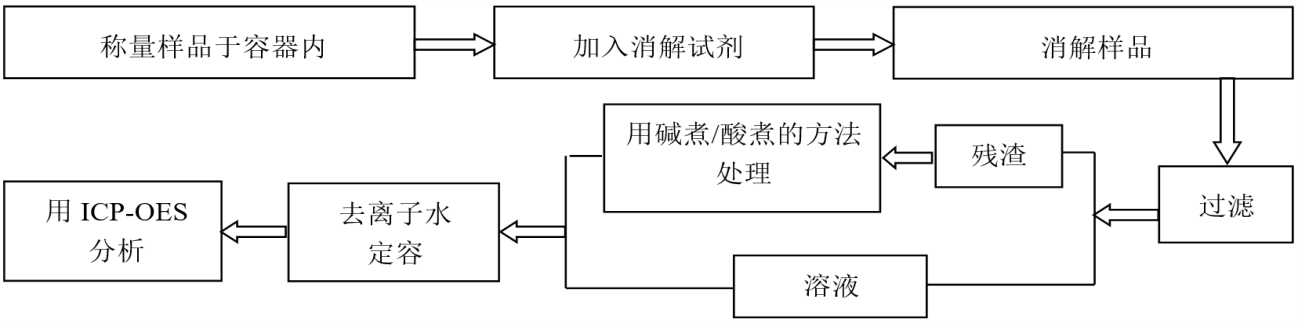
检测报告

检测流程

1. **铅(Pb)，镉(Cd)，铬(Cr)**



2. **汞(Hg)**



3. **六价铬(Cr(VI))**



4. **多溴联苯(PBBs)， 多溴二苯醚(PBDEs)**



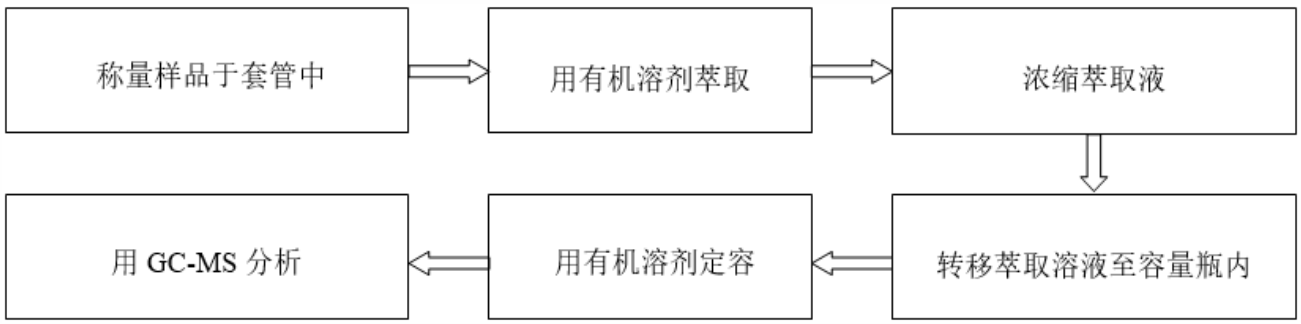
5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)



6. 氟(F)， 氯(Cl)， 溴(Br)， 碘(I)

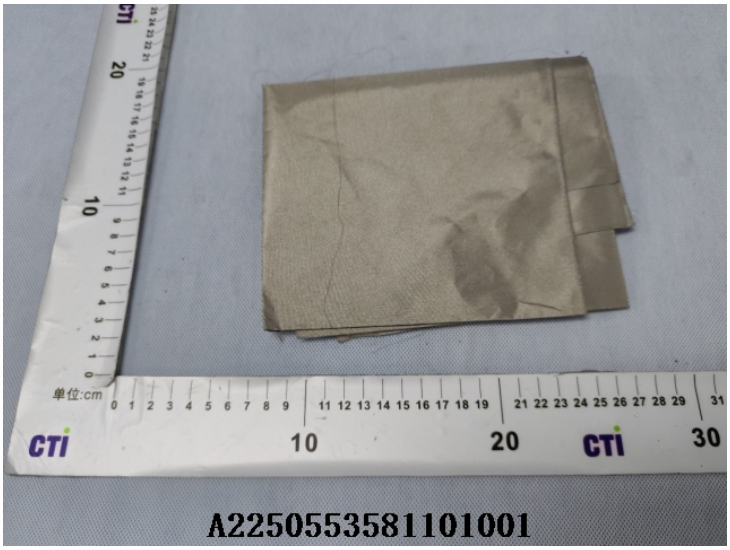


7. 六溴环十二烷(HBCDD)



检测报告

样品图片



声明：

1. 本报告无批准人签字、“专用章”及报告骑缝章无效；
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI未核实其真实性；
3. 本报告检测结果仅对受测样品负责；
4. 除非另有说明，报告参照ILAC-G8:09/2019 / CNAS-GL015:2022使用简单接受(w=0)二元判定规则进行符合性判定;
5. 未经CTI书面同意，不得部分复制本报告。

*** 报告结束 ***

附录

客户参考信息

230T、260T、261T、260T方格、280T、280T格子、290T、360T、380T、
300T、330T、331T、335T、350T、355T、400T、410T、420T、425T、430T、450T、455T、春亚纺、菱形格

声明:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI未核实其真实性。
2. 附录内容为A2250553581101001C报告的补充。

CTI 华测检测

221020340516

检测报告
Test Report

报告编号 A2250387388101004E　　第 1 页 共 7 页
Report No. A2250387388101004E　　Page 1 of 7

报告抬头公司名称 Company Name shown on Report 苏州林大新型材料科技有限公司
SUZHOU LINDA NEW MATERIAL TECHNOLOGY CO.,LTD

地 址 Address 苏州市木渎镇木东路413号9栋
NO.9 BUILDING,NO.413,MUDONG ROAD,MUDU TOWN,WUZHONG DISTEICT,SUZHOU

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称 Sample Name	PU泡棉 PU foam
样品接收日期 Sample Received Date	2025.06.06 Jun. 6, 2025
样品检测日期 Testing Period	2025.06.06-2025.06.10 Jun. 6, 2025 to Jun. 10, 2025

检测要求 Test Requested

根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)，邻苯二甲酸酯(DBP，BBP，DEHP，DIBP)进行测试。

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

检测依据/检测结果 Test Method/Test Result(s) 请参见下页。 Please refer to the following page(s).

批 准 Approved by: 宋岩
技术经理 Technical Manager

日 期 Date 2025.06.10

No. R449751703

苏州市华测检测技术有限公司
Centre Testing International(Suzhou) Co.,Ltd

江苏省苏州市相城区澄阳路3286号
No.3286 Chengyang Road, Xiangcheng District, Suzhou,Jiangsu

检测报告
Test Report

检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	IEC 62321-5:2013	ICP-OES
镉 Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017和/或IEC 62321-5:2013测试总铬含量 IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

检测报告
Test Report

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	004	
铅 Lead (Pb)	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	004	
多溴联苯 Polybrominated Biphenyls (PBBs)		
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	004	
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)		
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg

检测报告
Test Report

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	004	
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)		
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg

样品/部位描述 Sample/Part Description

序号 No.	CTI样品ID CTI Sample ID	描述 Description
1	004	黑色泡棉 Black foam

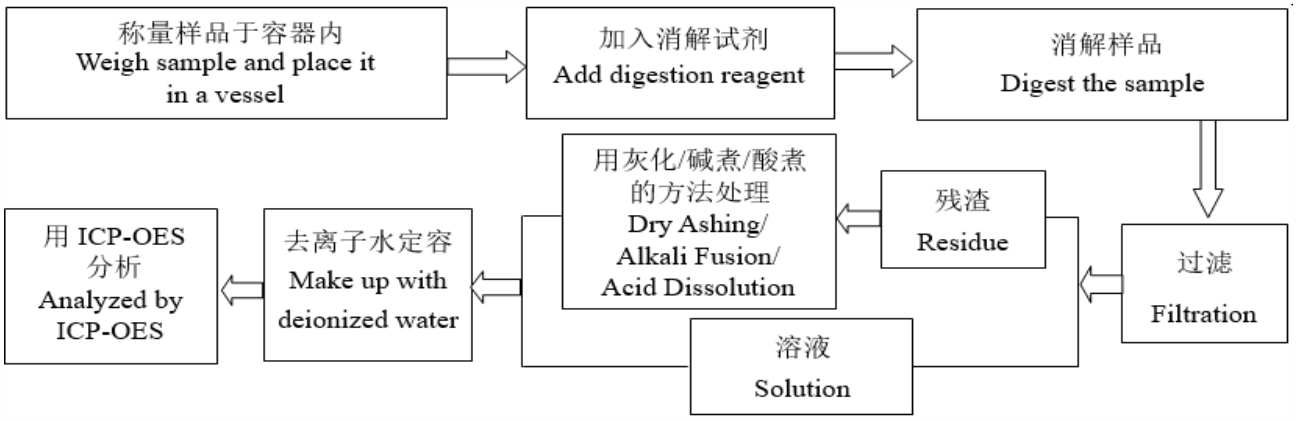
备注: 对于检测铅，镉，汞之样品已消解完全。
-N.D. = 未检出 (小于方法检出限)
-mg/kg = ppm = 百万分之一

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

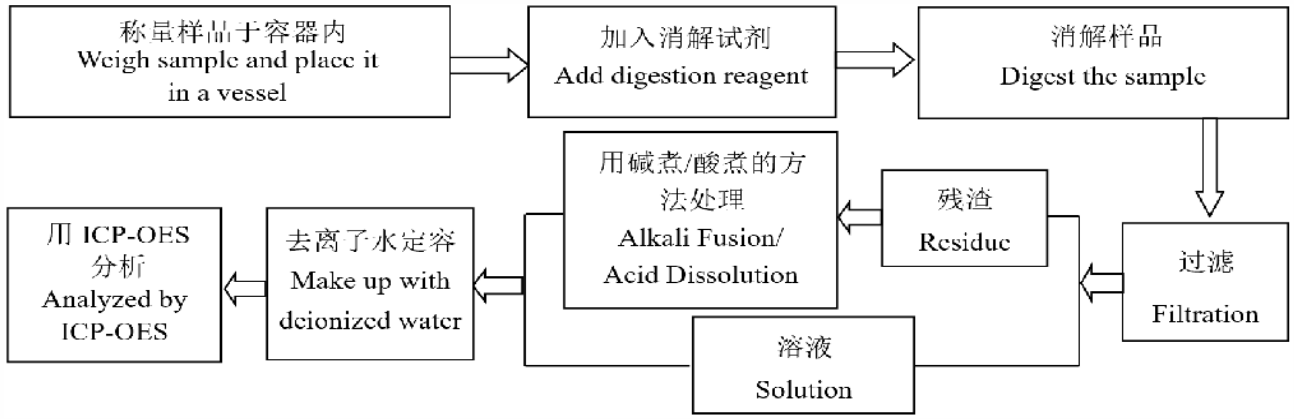
检测报告
Test Report

检测流程 Test Process

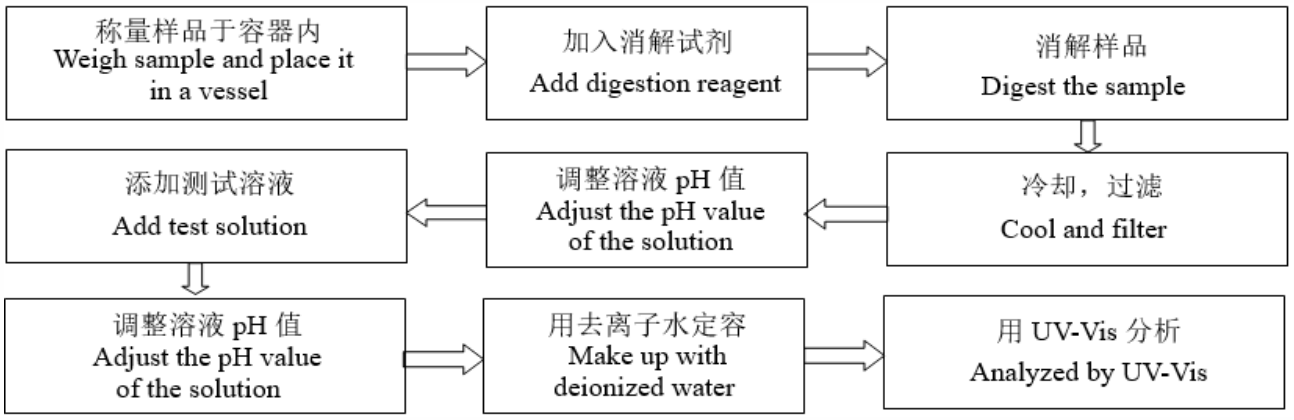
1. 铅(Pb)，镉(Cd)，铬(Cr)
   Lead (Pb), Cadmium (Cd), Chromium (Cr)



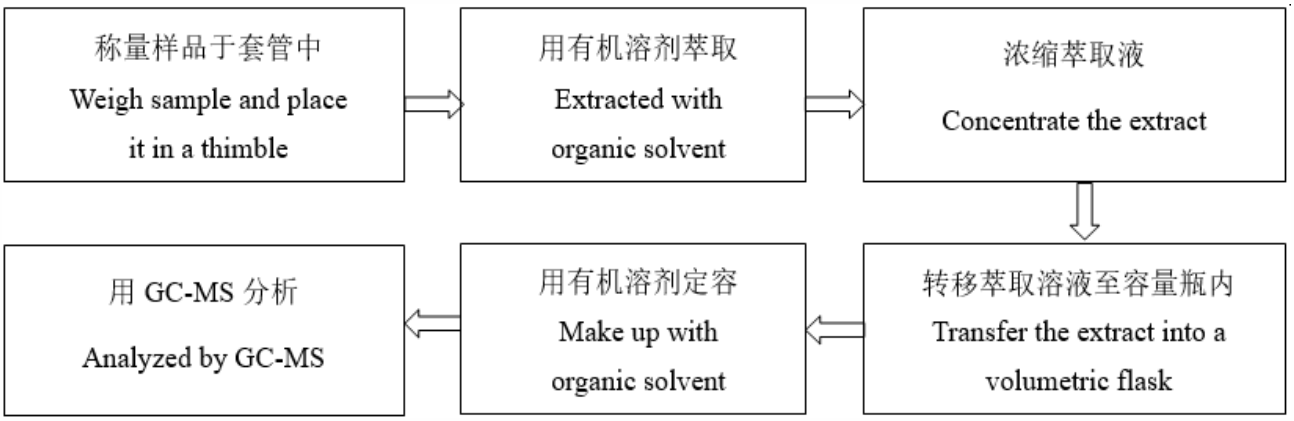
2. 汞(Hg)
   Mercury (Hg)



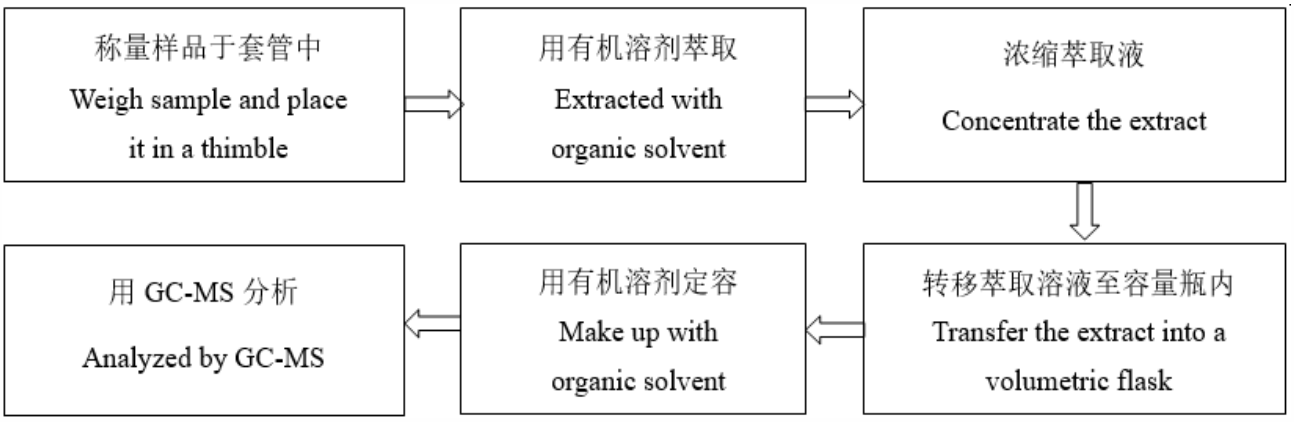
3. 六价铬(Cr(VI))
   Hexavalent Chromium (Cr(VI))



4. 多溴联苯(PBBs)， 多溴二苯醚(PBDEs)
Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. 邻苯二甲酸酯(DBP，BBP，DEHP，DIBP)
Phthalates (DBP, BBP, DEHP, DIBP)



检测报告
Test Report

样品图片
Photo(s) of the sample(s)



声明Statement：

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   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
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   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明，报告参照ILAC-G8:09/2019 / CNAS-GL015:2022使用简单接受(w=0)二元判定规则进行符合性判定；
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附录Appendix

客户参考信息Client Reference Information

B324、B340、B340F、B329、B332、B332F、B330、B350F、B380、B380F、B380NF、 205F、泡棉-W(23 度)、PU-Y 泡棉、CF-B、CF-Y、CF-BU、防尘网、过滤网、F2、F-2G、LH-20、NF55 、50D 无卤阻燃、650 、650R、CF35、CF45、CF55、CF65、CF-G、惰性泡棉、压缩泡棉、吸音棉、TM-23、TM-24、TM-25、TM-27、SM55、P1800、TC50、TC50-G、TC60、K324、K329、K401、K402、K403、B205、B208、MF-15、MF-20、MF-25、MF-30、MF-35、MF-40、MF-45、MF-50、MF-55、L068、L168、L268、L368、L468、黑色PU、HS650、H850、D12、D18、LD100, LD130, LD150, LD300, LD500、KTP 32、TC30、P300G、LD048

B324、B340、B340F、B329、B332、B332F、B330、B350F、B380、B380F、B380NF、 205F、foam-W(23 degree)、PU-Y foam、CF-B、CF-Y、CF-BU、 dust-proof nets、filters、F2、F-2G、LH-20、NF55 、halogen free flame retardant、650 、650R、CF35、CF45、CF55、CF65、CF-G、the inert foam、 foam、TM-23、TM-24、TM-25、TM-27、SM55、P1800、TC50、TC50-G、TC60、K324、K329、K401、K402、K403、B205、B208、MF-15、MF-20、MF-25、MF-30、MF-35、MF-40、MF-45、MF-50、MF-55、L068、L168、L268、L368、L468、black PU、HS650、H850、D12、D18、LD100, LD130, LD150, LD300, LD500、KTP 32、TC30、P300G、LD048

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2. 附录内容为A2250387388101004E报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2250387388101004E.

CTI 华测检测

221020340516

检测报告
Test Report

报告编号 A2250387388101003E　　第 1 页 共 4 页
Report No. A2250387388101003E　　Page 1 of 4

报告抬头公司名称 Company Name shown on Report 苏州林大新型材料科技有限公司
SUZHOU LINDA NEW MATERIAL TECHNOLOGY CO.,LTD

地 址 Address 苏州市木渎镇木东路413号9栋
NO.9 BUILDING,NO.413,MUDONG ROAD,MUDU TOWN,WUZHONG DISTEICT,SUZHOU

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称 Sample Name	PU泡棉 PU foam
样品接收日期 Sample Received Date	2025.06.06 Jun. 6, 2025
样品检测日期 Testing Period	2025.06.06-2025.06.10 Jun. 6, 2025 to Jun. 10, 2025

检测要求 Test Requested 根据客户要求，对所提交样品中的氟(F)，氯(Cl)，溴(Br)，碘(I)进行测试。
As specified by client, to test Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I) in the submitted sample(s).

检测依据/检测结果 Test Method/Test Result(s) 请参见下页。
Please refer to the following page(s).

批 准
Approved by: 宋岩

宋岩
技术经理 Technical Manager

日 期
Date 2025.06.10

No. R449751703

苏州市华测检测技术有限公司
Centre Testing International(Suzhou) Co.,Ltd

江苏省苏州市相城区澄阳路3286号
No.3286 Chengyang Road, Xiangcheng District, Suzhou,Jiangsu

检测报告
Test Report

检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
氟 Fluorine (F)	EN 14582:2016	IC
氯 Chlorine (Cl)	EN 14582:2016	IC
溴 Bromine (Br)	EN 14582:2016	IC
碘 Iodine (I)	EN 14582:2016	IC

检测结果 Test Result(s)

测试项目 Tested Item(s)	**结果 Result**	**方法检出限 MDL**
	003	
氟 Fluorine (F)	N.D.	10 mg/kg
氯 Chlorine (Cl)	N.D.	10 mg/kg
溴 Bromine (Br)	N.D.	10 mg/kg
碘 Iodine (I)	N.D.	10 mg/kg

样品/部位描述 Sample/Part Description

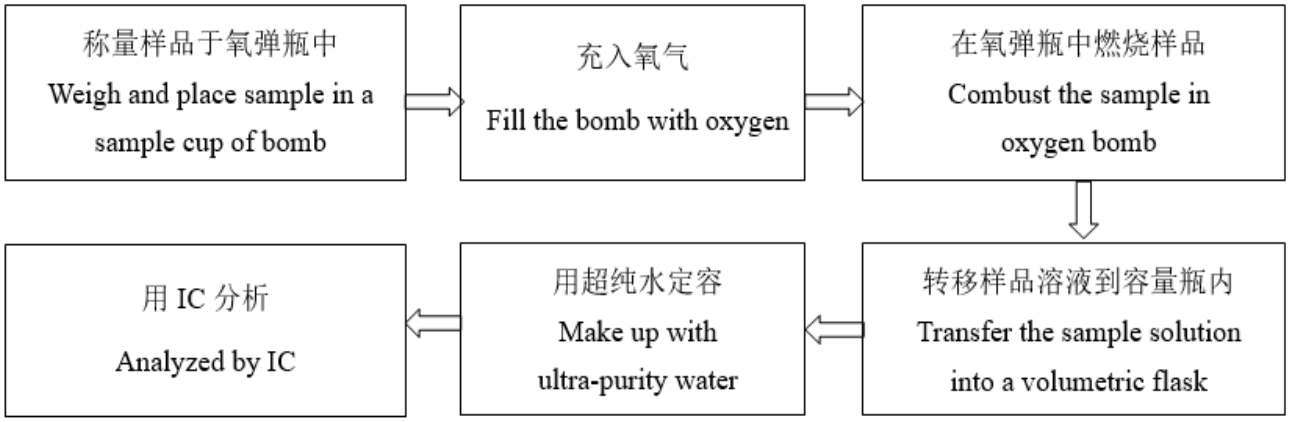
序号 No.	CTI样品ID CTI Sample ID	描述 Description
1	003	黑色泡棉 Black foam

备注: -N.D. = 未检出 (小于方法检出限)
-mg/kg = ppm = 百万分之一

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

检测报告
Test Report

检测流程 Test Process



检测报告
Test Report

样品图片
Photo(s) of the sample(s)



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附录Appendix

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B324、B340、B340F、B329、B332、B332F、B330、B350F、B380、B380F、B380NF、 205F、foam-W(23 degree)、PU-Y foam、CF-B、CF-Y、CF-BU、 dust-proof nets、filters、F2、F-2G、LH-20、NF55 、halogen free flame retardant、650 、650R、CF35、CF45、CF55、CF65、CF-G、the inert foam、 foam、TM-23、TM-24、TM-25、TM-27、SM55、P1800、TC50、TC50-G、TC60、K324、K329、K401、K402、K403、B205、B208、MF-15、MF-20、MF-25、MF-30、MF-35、MF-40、MF-45、MF-50、MF-55、L068、L168、L268、L368、L468、black PU、HS650、H850、D12、D18、LD100, LD130, LD150, LD300, LD500、KTP 32、TC30、P300G、LD048

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2. 附录内容为A2250387388101003E报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2250387388101003E.

检测报告

报告编号 A2250803194101001C

报告抬头公司名称 江苏和和新材料股份有限公司

地　　址 江苏省启东市高新技术产业园聚海路

以下测试之样品及样品信息由申请者提供并确认

样品名称 热熔胶膜

样品接收日期 2025.10.30

样品检测日期 2025.10.30-2025.11.04

检测要求 根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)，砷(As)，铍(Be)，锑(Sb)，锡(Sn)，氟(F)，氯(Cl)，溴(Br)，碘(I)，多环芳烃(PAHs)，富马酸二甲酯(DMF)，全氟辛酸(PFOA)，全氟辛烷磺酸(PFOS)，邻苯二甲酸酯进行测试。

检测依据 请参见下页。

检测结果 请参见下页。

****

结论

测试样品	依据标准/指令	结果
提交样品	欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863	符合

****

符合表示检测结果满足欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863要求的限值。

批　　准 陈凯敏

实验室经理

日　　期 2025.11.04

No. T172798398

上海华测品标检测技术有限公司

上海市闵行区万芳路1351号

检测报告

检测依据

测试项目	测试方法	测试仪器
铅(Pb)	IEC 62321-5:2013	ICP-OES
镉(Cd)	IEC 62321-5:2013	ICP-OES
汞(Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬(Cr(VI))	IEC 62321-7-2:2017和/或IEC 62321-5:2013测试总铬含量	UV-Vis/ICP-OES
多溴联苯(PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚(PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)	IEC 62321-12:2023	GC-MS
砷(As)	参考US EPA 3052:1996 & US EPA 6010D:2018*	ICP-OES
铍(Be)	参考US EPA 3052:1996 & US EPA 6010D:2018*	ICP-OES
锑(Sb)	参考US EPA 3052:1996 & US EPA 6010D:2018*	ICP-OES
锡(Sn)	参考US EPA 3052:1996 & US EPA 6010D:2018*	ICP-OES
氟(F)	EN 14582:2016	IC
氯(Cl)	EN 14582:2016	IC
溴(Br)	EN 14582:2016	IC
碘(I)	EN 14582:2016	IC
多环芳烃(PAHs)	AfPS GS 2019:01 PAK	GC-MS
富马酸二甲酯(DMF)	参考US EPA 3550C:2007 & US EPA 8270E:2018*	GC-MS
全氟辛酸(PFOA)	参考US EPA 3550C:2007 & US EPA 8321B:2007*	LC-MS-MS
全氟辛烷磺酸(PFOS)	参考US EPA 3550C:2007 & US EPA 8321B:2007*	LC-MS-MS
邻苯二甲酸酯	参考EN 14372:2004(E)*	GC-MS

检测报告

检测结果

测试项目	结果	方法检出限	限值
	001		
铅(Pb)	N.D.	2 mg/kg	1000 mg/kg
镉(Cd)	N.D.	2 mg/kg	100 mg/kg
汞(Hg)	N.D.	2 mg/kg	1000 mg/kg
六价铬(Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

测试项目	结果	方法检出限	限值
	001		
多溴联苯(PBBs)			
一溴联苯	N.D.	5 mg/kg	1000 mg/kg
二溴联苯	N.D.	5 mg/kg	
三溴联苯	N.D.	5 mg/kg	
四溴联苯	N.D.	5 mg/kg	
五溴联苯	N.D.	5 mg/kg	
六溴联苯	N.D.	5 mg/kg	
七溴联苯	N.D.	5 mg/kg	
八溴联苯	N.D.	5 mg/kg	
九溴联苯	N.D.	5 mg/kg	
十溴联苯	N.D.	5 mg/kg	

测试项目	结果	方法检出限	限值
	001		
多溴二苯醚(PBDEs)			
一溴二苯醚	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚	N.D.	5 mg/kg	
三溴二苯醚	N.D.	5 mg/kg	
四溴二苯醚	N.D.	5 mg/kg	
五溴二苯醚	N.D.	5 mg/kg	
六溴二苯醚	N.D.	5 mg/kg	
七溴二苯醚	N.D.	5 mg/kg	
八溴二苯醚	N.D.	5 mg/kg	
九溴二苯醚	N.D.	5 mg/kg	
十溴二苯醚	N.D.	5 mg/kg	

检测报告

检测结果

测试项目	结果	方法检出限	限值
	001		
邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)			
邻苯二甲酸二丁酯(DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄基酯(BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二(2-乙基)己酯(DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯(DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

测试项目	结果	方法检出限
	001	
砷(As)	N.D.	10 mg/kg
铍(Be)	N.D.	10 mg/kg
锑(Sb)	N.D.	10 mg/kg
锡(Sn)	N.D.	10 mg/kg

测试项目	结果	方法检出限
	001	
氟(F)	N.D.	10 mg/kg
氯(Cl)	N.D.	10 mg/kg
溴(Br)	N.D.	10 mg/kg
碘(I)	N.D.	10 mg/kg

检测报告

检测结果

测试项目	结果	方法检出限
	001	
多环芳烃(PAHs)		
萘	N.D.	0.2 mg/kg
菲	N.D.	0.2 mg/kg
蒽	N.D.	0.2 mg/kg
荧蒽	N.D.	0.2 mg/kg
芘	N.D.	0.2 mg/kg
䓛	N.D.	0.2 mg/kg
苯并(a)蒽	N.D.	0.2 mg/kg
苯并(b)荧蒽	N.D.	0.2 mg/kg
苯并(k)荧蒽	N.D.	0.2 mg/kg
苯并(j)荧蒽	N.D.	0.2 mg/kg
苯并(a)芘	N.D.	0.2 mg/kg
苯并(e)芘	N.D.	0.2 mg/kg
二苯并(a,h)蒽	N.D.	0.2 mg/kg
苯并(g,h,i)苝	N.D.	0.2 mg/kg
茚并(1,2,3-cd)芘	N.D.	0.2 mg/kg
菲,蒽,荧蒽,芘总量	N.D.	/
15 PAHs总量	N.D.	/

测试项目	结果	方法检出限
	001	
富马酸二甲酯(DMF)	N.D.	0.1 mg/kg

测试项目	结果	方法检出限
	001	
全氟辛酸(PFOA)	N.D.	0.010 mg/kg

测试项目	结果	方法检出限
	001	
全氟辛烷磺酸(PFOS)	N.D.	0.010 mg/kg

检测报告

检测结果

测试项目	结果	方法检出限
	001	
邻苯二甲酸酯		
邻苯二甲酸二正辛酯(DNOP) CAS#:117-84-0	N.D.	50 mg/kg
邻苯二甲酸二异壬酯(DINP) CAS#:28553-12-0, 68515-48-0	N.D.	50 mg/kg
邻苯二甲酸二异癸酯(DIDP) CAS#:26761-40-0, 68515-49-1	N.D.	50 mg/kg
邻苯二甲酸二甲酯(DMP) CAS#:131-11-3	N.D.	50 mg/kg
邻苯二甲酸二乙酯(DEP) CAS#:84-66-2	N.D.	50 mg/kg
邻苯二甲酸二丙酯(DPrP) CAS#:131-16-8	N.D.	50 mg/kg
邻苯二甲酸二戊酯(DPP/DPENP) CAS#:131-18-0	N.D.	50 mg/kg
邻苯二甲酸二庚酯(DHP) CAS#:3648-21-3	N.D.	50 mg/kg
邻苯二甲酸二环己酯(DCHP) CAS#:84-61-7	N.D.	50 mg/kg
邻苯二甲酸二异辛酯(DIOP) CAS#:27554-26-3	N.D.	50 mg/kg
邻苯二甲酸二壬酯(DNP) CAS#:84-76-4	N.D.	50 mg/kg
邻苯二甲酸二己酯(DNHP/DHEXP) CAS#:84-75-3	N.D.	50 mg/kg
邻苯二甲酸二(2-甲氧基)乙酯(DMEP) CAS#:117-82-8	N.D.	50 mg/kg
邻苯二甲酸二异戊酯(DIPP) CAS#:605-50-5	N.D.	50 mg/kg
邻苯二甲酸二苄酯(DBzP) CAS#:523-31-9	N.D.	50 mg/kg
邻苯二甲酸二苯酯(DPhP) CAS#:84-62-8	N.D.	50 mg/kg
邻苯二甲酸二丙烯酯(DAP) CAS#:131-17-9	N.D.	50 mg/kg

测试项目	结果	方法检出限
	001	
邻苯二甲酸酯		
邻苯二甲酸正戊基异戊基酯(NIPP) CAS#:776297-69-9	N.D.	100 mg/kg

检测报告

样品/部位描述

序号	CTI样品ID	描述
1	001	白色热熔胶膜

备注： **对于检测铅，镉，汞，砷，铍，锑，锡之样品已消解完全。**

-N.D. = 未检出 (小于方法检出限)

-mg/kg = ppm = 百万分之一

-1000 mg/kg = 0.1%

注释: **本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。**

“*”表示该方法不在CNAS认可范围内。

检测报告

可接触的表面材料中PAHs含量限值(mg/kg)(按风险评估的结果分类)

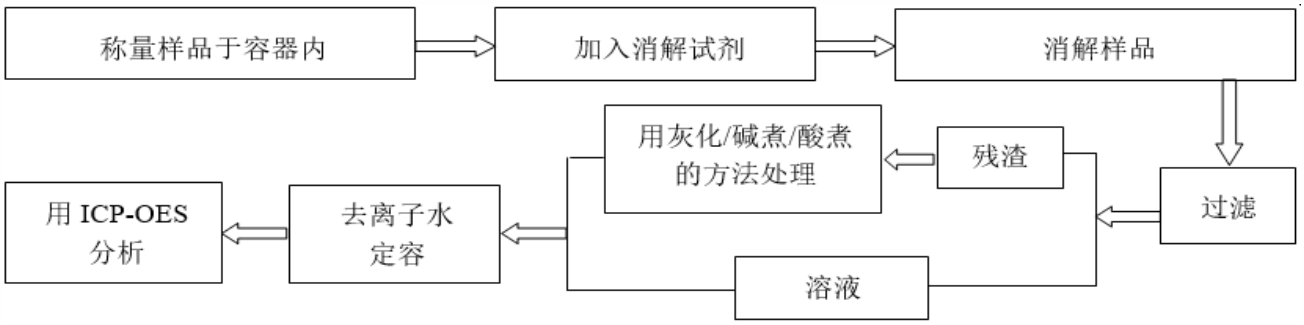
参数	一类	二类		三类	
	可放入口中的材料，或预期和皮肤接触时间超过30秒(长时间接触)2009/48/EC定义的玩具材料或供3岁以下儿童使用的产品	未包含在第一类材料中，预期和皮肤接触时间超过30秒（长时间接触），或者和皮肤短时间频繁接触**的材料		未包含在第一类和第二类材料中，预期和皮肤接触时间不超过30秒（短时间接触）的材料	
		供儿童（< 14岁）使用的产品（包括主动和被动直接接触）	其他类产品	供儿童（< 14岁）使用的产品（包括主动和被动直接接触）	其他类产品
苯并(a)芘	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(e)芘	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(a)蒽	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(b)荧蒽	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(j)荧蒽	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(k)荧蒽	< 0.2	< 0.2	< 0.5	< 0.5	< 1
䓛	< 0.2	< 0.2	< 0.5	< 0.5	< 1
二苯并(a,h)蒽	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(g,h,i)苝	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚并(1,2,3-cd)芘	< 0.2	< 0.2	< 0.5	< 0.5	< 1
菲,蒽,荧蒽,芘	总量 < 1	总量 < 5	总量 < 10	总量 < 20	总量 < 50
萘	< 1	< 2		< 10	
15 PAHs总量	< 1	< 5	< 10	< 20	< 50

**“短时间频繁接触”来自REACH法规附录XVII第50项的修订案(法规 (EU) No. 1272/2013)

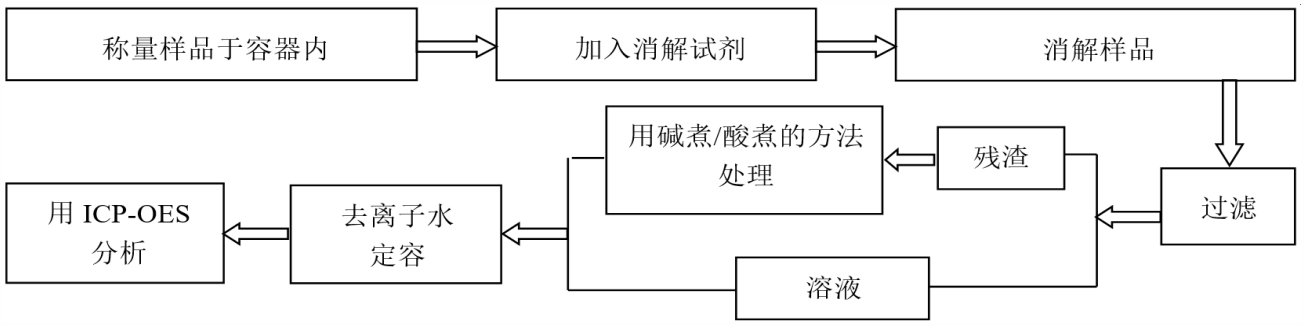
检测报告

检测流程

1. 铅(Pb)，镉(Cd)，铬(Cr)



2. 汞(Hg)



3. 六价铬(Cr(VI))



4. 多溴联苯(PBBs)， 多溴二苯醚(PBDEs)

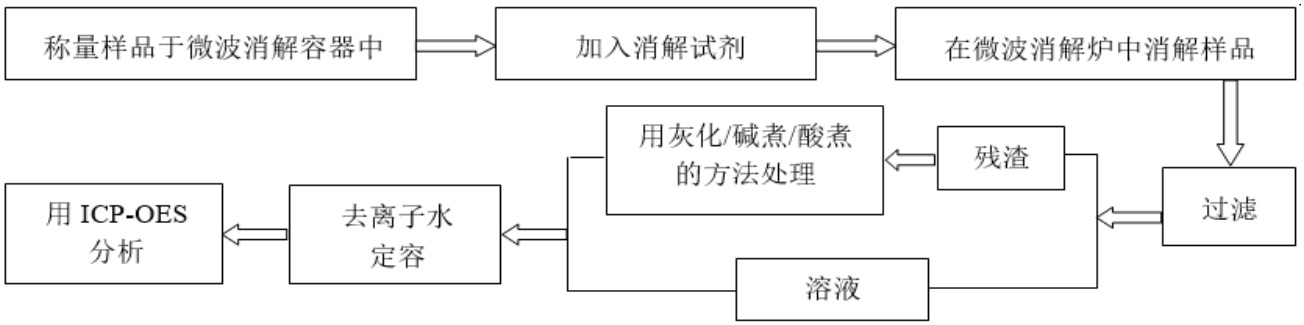


检测报告

5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)



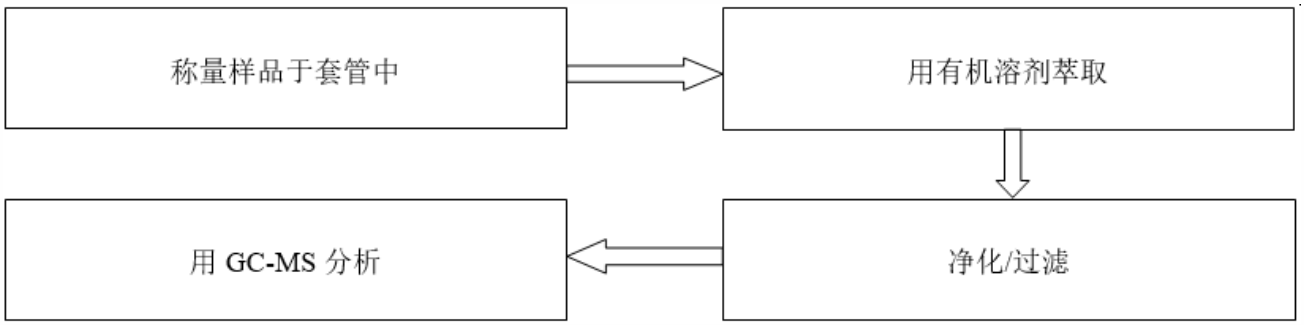
6. 砷(As)， 铍(Be)， 锑(Sb)， 锡(Sn)



7. 氟(F)， 氯(Cl)， 溴(Br)， 碘(I)

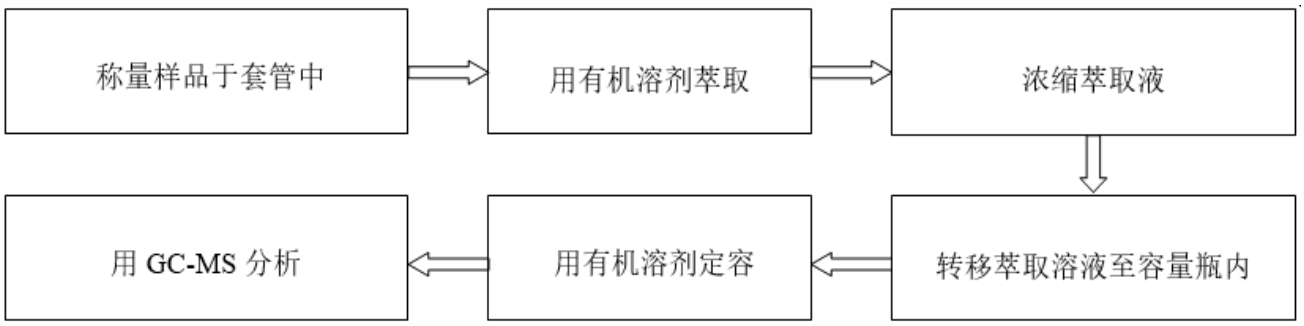


8. 多环芳烃(PAHs)



检测报告

9. 富马酸二甲酯(DMF)



10. 全氟辛酸(PFOA)， 全氟辛烷磺酸(PFOS)

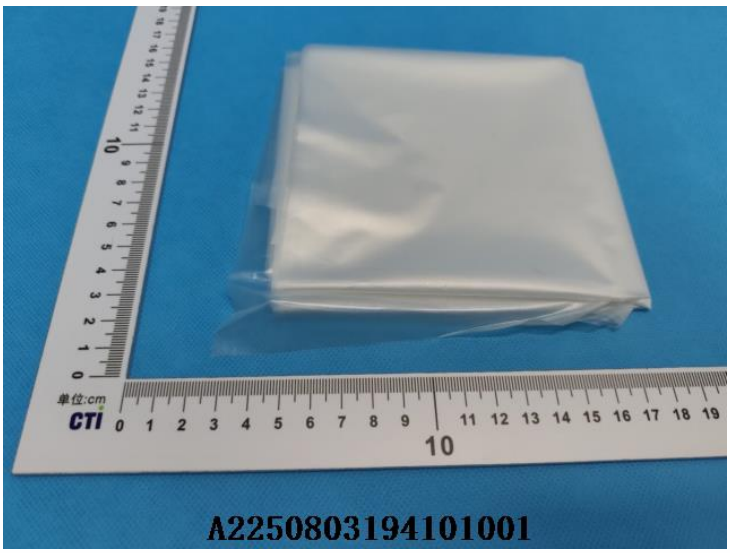


11. 邻苯二甲酸酯



检测报告

样品图片



声明：

1. 本报告无批准人签字、“专用章”及报告骑缝章无效；
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI未核实其真实性；
3. 本报告检测结果仅对受测样品负责；
4. 除非另有说明，报告参照ILAC-G8:09/2019 / CNAS-GL015:2022使用简单接受(w=0)二元判定规则进行符合性判定;
5. 未经CTI书面同意，不得部分复制本报告。

*** 报告结束 ***

附录

客户参考信息

HD117、HD118A、LV368B、HA509、HE370

声明:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI未核实其真实性。
2. 附录内容为A2250803194101001C报告的补充。

Test Report
检测报告

No.: SHAEC25027597902 **Date:** Oct 25, 2025 Page 1 of 14

日期： 2025 年 10 月 25 日 页码 1 of 14

Client Name:	SEAL KING ADHESIVE TAPE TECHNOLOGY (HAIAN) CO., LTD
客户名称：	王佳胶带科技(海安)有限公司
Client Address:	No.888, Renmin East Road, Xitang Town, Haian City, Nantong City, Jiangsu Province
客户地址：	江苏省南通市海安市曲塘镇人民东路 888 号
Sample Name:	ELECTRIC CONDUCT TAPE / THE TAPE OF NO CARRIER
样品名称:	导电胶带 / 无基材胶带
Model No.:	TT-219-5(Print)
型号:	TT-219-5(印刷)
Client Ref. Information:	TT-219-X (A,B,C,D,E,DE,b,printing), TT-219X-X(A.C,D, printing,DB,DG1,DG2.DT.M.M2), TT-40XXMP/TT-80XXMP, TT-210
客户参考信息:	TT-219-X (A,B,C,D,E,DE,b,印刷), TT-219X-X(A.C,D,印刷,DB,DG1,DG2.DT.M.M2), TT-40XXMP/TT-80XXMP,TT-210

The above sample(s) and information were provided by the client.
以上样品及信息由客户提供。

SGS Job No.:	SHP25-035984
SGS 工作编号:	SHP25-035984
Sample Receiving Date:	Oct 22, 2025
样品接收时间:	2025 年 10 月 22 日
Testing Period:	Oct 22, 2025 ~ Oct 25, 2025
检测周期:	2025 年 10 月 22 日 ~ 2025 年 10 月 25 日
Test Requested:	Select test(s) as requested by the client.
检测要求:	根据客户要求检测。
Test Method(s):	Please refer to next page(s).
检测方法:	见后续页。

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
通标标准技术服务（上海）有限公司
授权签名

Dora Hu 胡敏
Approved Signatory
批准签署人

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t HL (86–21) 61402594 f HL (86–21)61156899 sgs.china@sgs.com

Test Result(s): Please refer to next page(s).
检测结果: 见后续页。

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

Test Result(s):
检测结果：

Test Part Description：
检测部件外观描述:

SN ID 样品序号	Sample No. 样品编号	SGS Sample ID SGS 样品 ID	Description 样品描述
SN1	A5	SHA25-0275979-0001.C005	Grey double tape 灰色双面胶

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

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

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

检验检测专用章 Inspection & Testing Services
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Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

检测方法： 参考 IEC 62321-4:2013+AMD1:2017，IEC 62321-5:2013，IEC 62321-7-2:2017 和 IEC 62321-12:2023，采用 ICP-OES/AAS，UV-Vis 和 GC-MS 进行分析。

Test Item(s) 检测项目	Limit 限值	Unit(s) 单位	MDL	A5
Lead (Pb) / 铅 (Pb)	1000	mg/kg	2	ND
Mercury (Hg) / 汞 (Hg)	1000	mg/kg	2	ND
Cadmium (Cd) / 镉 (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI)) / 六价铬 (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB) / 多溴联苯之和 (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB) / 一溴联苯 (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB) / 二溴联苯 (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB) / 三溴联苯 (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB) / 四溴联苯 (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB) / 五溴联苯 (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB) / 六溴联苯 (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB) / 七溴联苯 (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB) / 八溴联苯 (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB) / 九溴联苯 (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB) / 十溴联苯 (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE) / 多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE) / 一溴二苯醚 (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE) / 二溴二苯醚 (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE) / 三溴二苯醚 (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE) / 四溴二苯醚 (TetraBDE)	-	mg/kg	25	ND

检验检测专用章 Inspection & Testing Services
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Test Item(s) 检测项目	Limit 限值	Unit(s) 单位	MDL	A5
Pentabrominated diphenyl ether (PentaBDE) / 五溴二苯醚 (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE) / 六溴二苯醚 (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE) / 七溴二苯醚 (HeptaBDE)	-	mg/kg	25	ND
Octabrominated diphenyl ether (OctaBDE) / 八溴二苯醚 (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE) / 九溴二苯醚 (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE) / 十溴二苯醚 (DecaBDE)	-	mg/kg	25	ND
Bis(2-ethylhexyl) phthalate (DEHP) / 邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP) / 邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP) / 邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP) / 邻苯二甲酸二异丁酯 (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.

备注：
(1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。
(2) IEC 62321 系列等同于 EN 62321 系列。
(3) 2021 年 7 月 22 号开始，DEHP， BBP， DBP 和 DIBP 的限制适用于医疗器械，包括体外医疗器械，监控仪表，包括工业监测和控制仪器。

Halogen
卤素

Test Method: With reference to EN 14582:2016, analysis was performed by IC.
检测方法： 参考 EN 14582:2016，采用 IC 进行分析。

Test Item(s) 检测项目	Unit(s) 单位	MDL	A5
Fluorine(F) / 氟 (F)	mg/kg	20	ND
Chlorine(Cl) / 氯 (Cl)	mg/kg	50	ND

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Test Item(s) 检测项目	Unit(s) 单位	MDL	A5
Bromine(Br) / 溴 (Br)	mg/kg	50	ND
Iodine(I) / 碘 (I)	mg/kg	50	ND

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.
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除非另有说明，参照 ILAC-G8:09/2019，使用简单接受（*w*=0）的二元判定规则进行符合性判定。
除非另有说明，此报告结果仅对检测的样品负责。本报告未经本公司书面许可，不可部分复制。

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

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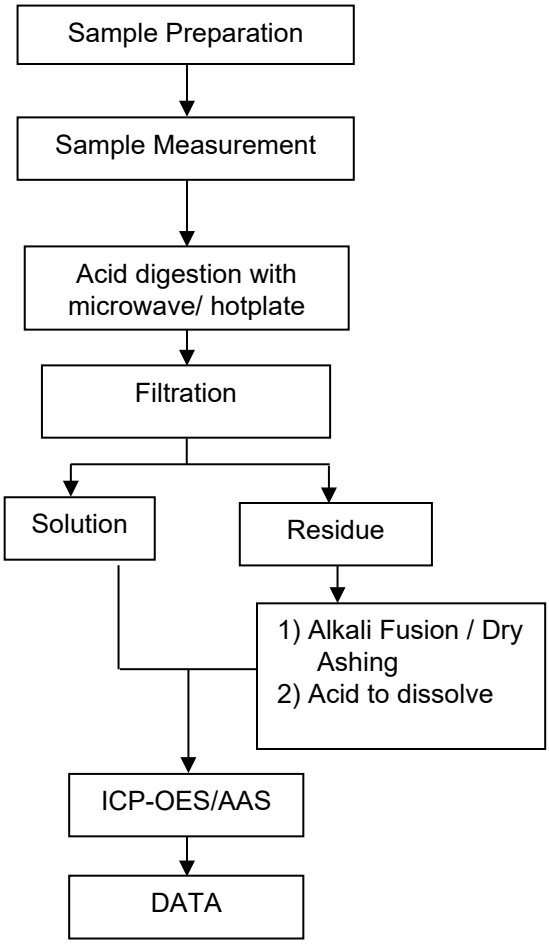
Elements Testing Flow Chart

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



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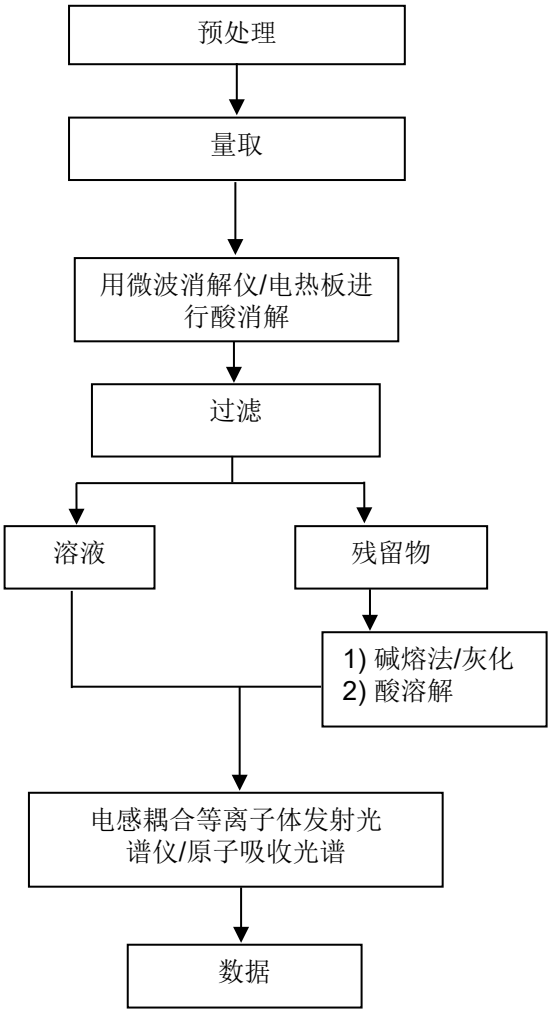
附件

元素检测流程图

样品按照下述流程被完全消解



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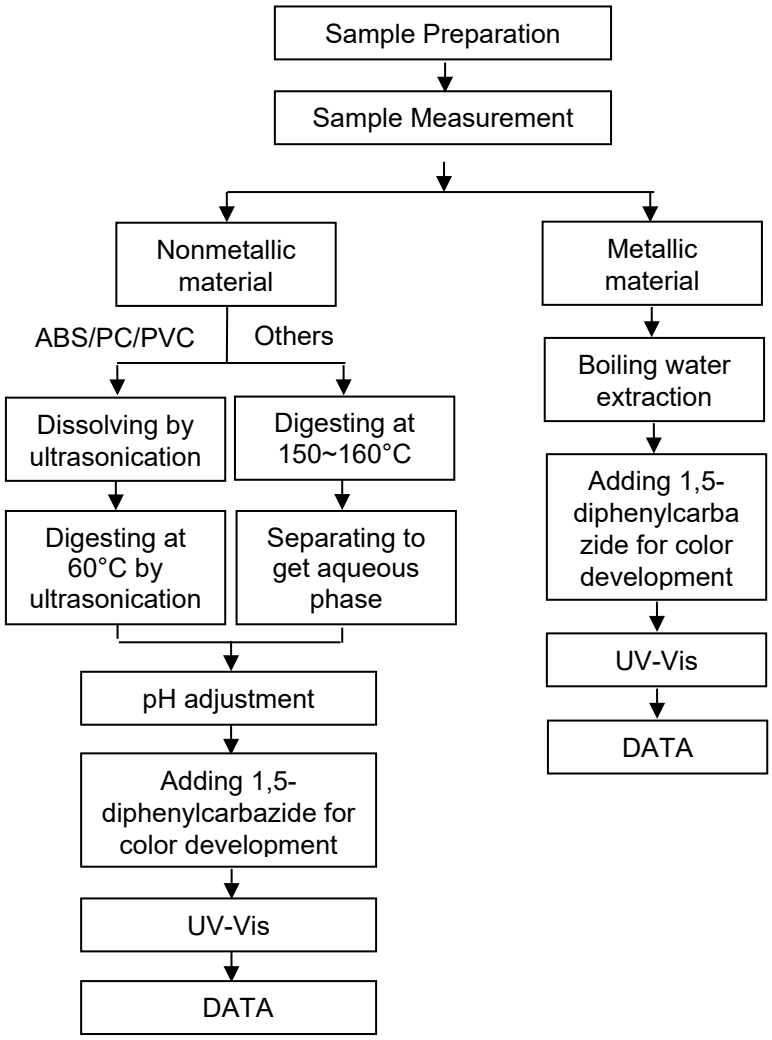
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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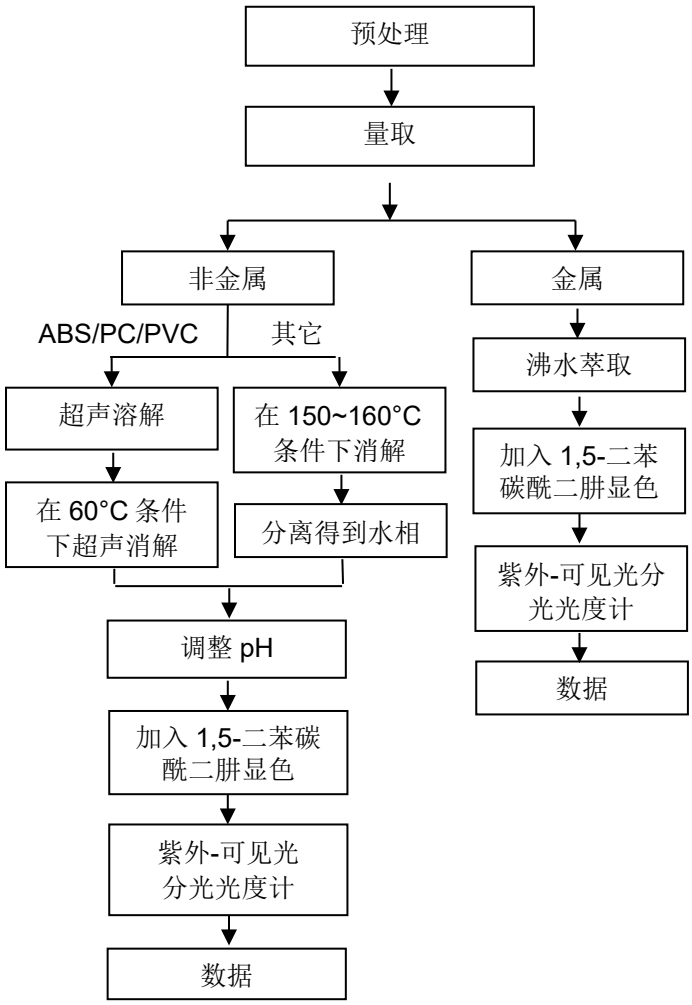
附件

六价铬检测流程图



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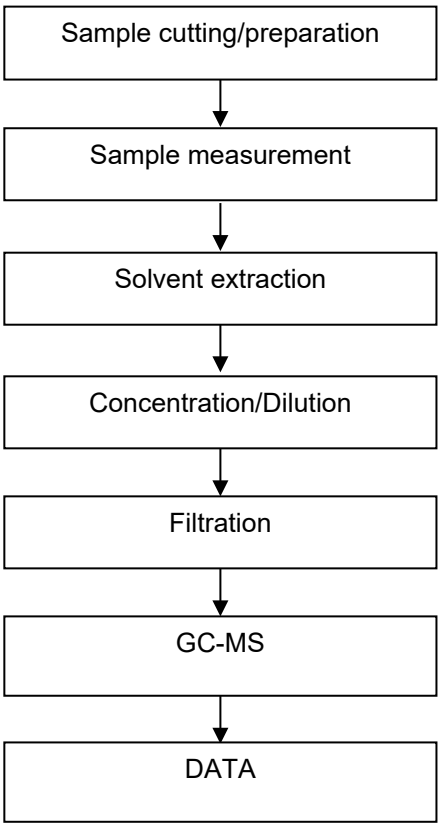
PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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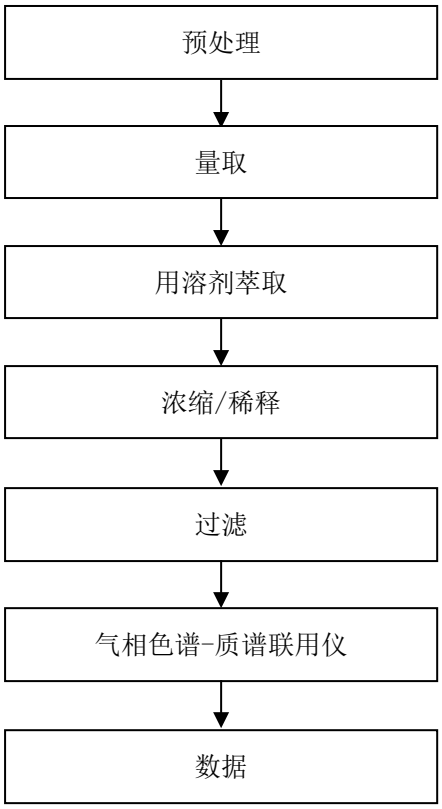
PBB(s)/PBDE(s)/Phthalates 检测流程图



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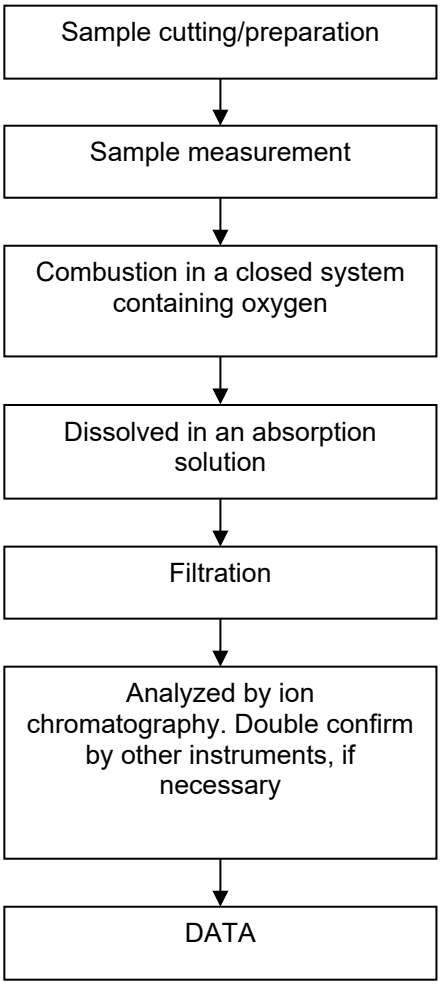
Halogen Testing Flow Chart



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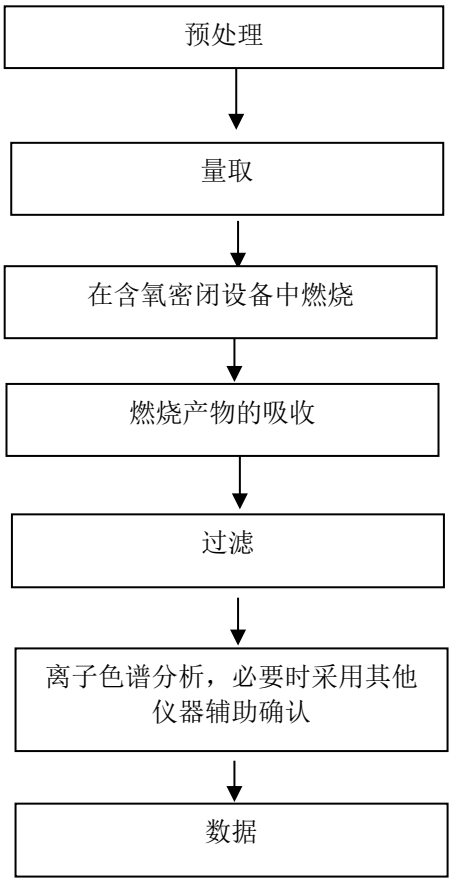
卤素检测流程图



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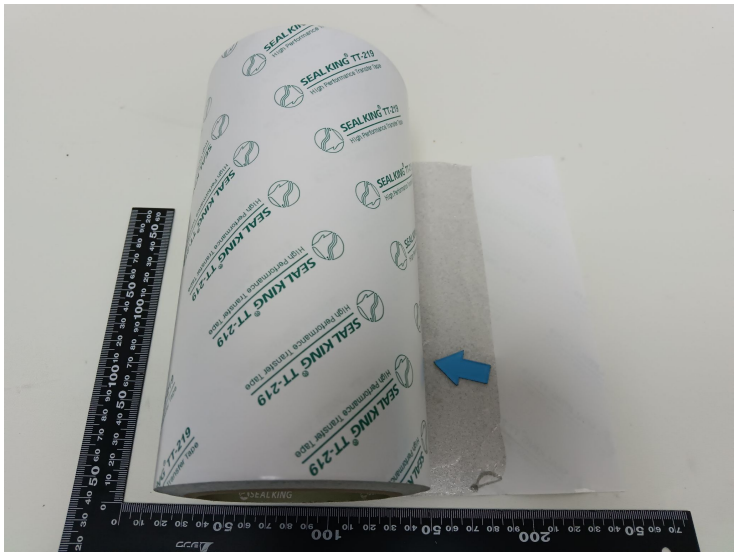
Sample Photo:
样品照片：



SHA25-0275979-0001.C005

SGS authenticate the photo on original report only
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物质安全数据表（MSDS）

一、 物质与厂商资料

物品名称：260T导电布
物品编号：PS0108
制造商或供货商名称、地址及电话：苏州宙畅电子科技有限公司 江苏省苏州市高新区珠江路 511 号主厂房一楼
紧急联络电话/传真电话： TEL：0512-66900866 FAX：0512-66901810

二、 成分辩识资料

中英文名称： 电磁屏蔽导电布
同义名称：
化学文摘社登记号码（CAS No.）：
危害物质成分（成分百分比）：

混合物：

化学性质：		
化学品名称	化学文摘号	% / 依重量
PET（涤沦）	25038-59-9	62
镍	7440-02-0	12
铜	7440-50-8	26

三、 危害辩识资料

健康危害效应： a) 对健康之危害（急性及慢性）：无 b) 暴露于本物质时会产生的现象与病因：无 c) 因暴露于本物质所可能引起的一般病理情况：无
主要症状： 无

四、 急救措施

不同暴露途径之急救方法： 若因处理气体或分解物而致感觉不适，应将患者移离现场。

五、 灭火措施

适用灭火剂： 水、干式消防药剂、二氧化碳
特殊灭火程序： 应穿着通风良好之衣物及防护衣，以防止烟雾与皮肤及眼睛接触
消防人员之特殊防护设备： 消防人员须穿戴防护具及空气呼吸器，站在上风处救火

六、 浅漏处理方法

此物品为固体状态并无浅漏之疑虑

七、 安全处置与储存方法

处置：避免日晒雨淋之场所，并远离火苗及高温
储存：存放于干燥凉爽通风良好的场所

八、 暴露预防措施

工程控制： 建议使用机械式（一般型）通风设备，并应该具有防爆措施
个人防护设备： 无
卫生措施： • 工作完后须彻底洗手 • 维持工作场所干净清洁

九、 物理及化学性质

物理状态： 固体	铅化合物： N.D. （N.D.=未检出 低于最低检测值： 2ppm）
分解温度： 无参考数据	镉化合物： N.D. （N.D.=未检出 低于最低检测值： 2ppm）
汽化比例： 无	汞化合物： N.D. （N.D.=未检出 低于最低检测值： 2ppm）
溶解度： 不溶解于水	铬化合物： N.D. （N.D.=未检出 低于最低检测值： 2ppm）

十、 安定性及反应性

安定性： 常温常压下稳定
应避免之状况： 任何纸张与塑料遇到持续加温均有可能导致燃烧

十一、 毒性资料

无毒性

十二、 生态资料

可能之环境影响/环境流失：不溶与水，对环境影响很小

十三、 废弃处置方法

废弃处置方法： • 依据最新版 [废弃物清理法]及其它相关环保法规处置 • 废弃品于未回收前须分类置于回收设备中

十四、 运送资料

国内运送规定：道路交通安全规则

十五、 法规资料

适用法规： • 劳工安全卫生设施规则 • 危险物及有害物通识规则 • 道路交通安全规则 • 事业废弃物贮存清除处理方法及设施标准

十六、 其它数据

参考文献	无	
制表单位	名称：品管部	
	地址/电话： 苏州宙畅电子科技有限公司 江苏省苏州市高新区珠江路 511 号主厂房一楼	
制表人	夏慎强	审核：夏慎领
制表日期	2023．09．27	

物质安全资料表（MSDS）

B380 泡棉

版本號：LDPU-50F240625

1. 制品以及公司资讯

公司名称：苏州林大新型材料科技有限公司，TEL:0512-65712125
地　　址：苏州市木渎镇木东路 413 号 9 栋
担当部门：品质保证室

2. 组成.成分资讯

序号	成份	比例	CAS NO.
1	甲苯二异氰酸酯	52%	26471-62-5
2	聚醚多元醇	23%	9003-11-6
3	聚醚醇	21.5%	3055-99-0
4	硅油	2.0%	63148-62-9
5	水	1.50%	7732-18-5

3.危险有害性之注意事项

重要的危险有害性：无表面危害性
物理以及化学的危害性：有引燃之危险性
分类的名称（日本方式的分类基准）以密度分类

4．紧急处置　　不同暴露途径之急救方法：

皮肤接触：直接以洗剂，和大量的清水冲洗，假如皮肤产生炎症，应立即送医院就诊，将被污染的衣物脱下，务必要洗净时才可再穿上
眼睛接触：直接以大量清水洗净 15 分钟后，送医就诊
食　　入：给患者喝水以稀释之，必要时送医处置

5．来火措施：

灭火剂：泡沫灭火剂，二氧化碳灭火剂，在火源及周围适当喷洒
火灾时之危害性：本产品不会自然燃烧，但是在加热后会产瓦斯气体，此时便燃烧，而产生有刺激性的气体
特殊灭火方式：在灭火过程中，非相关灭火人员应往上风处疏之

6．泄露时之处置

对于人体应注意事项：若在不可能使用时，以焚烧或掩埋方式作废弃物处理
对于环境应注意事项：切勿任意丢弃在河道，以避免阻塞河道
除去方法：适当用扫除用具清理后，用焚烧处理方式处理之

7．使用以及储存应注意事项

使　用：注意事项：表面有静电，需带手套，不能与有机物混合
储　存：适当的保管条件：严禁烟火，避免湿气高或阳光直接照射之场所，如有开封后

要长时间放置时一定要做适当的再捆包
安全的包装材料：要选择不会淋雨及材料黑色材料

8．暴露防止以及保护措施

设备对策：要在通风良好的室内作业之，而且在作业场所内务必要附设洗手，洗脸设备
管理制度：无特别规定，在正常的作业状态下，是不可能产生粉尘现象，但是据推算在过程当中，会有少量的纤维屑
防护器具：包含呼吸器及手部的保护器具
在加工过程中要戴手套以保护皮肤

9．物理以及化学特性

物理的状态	
形状	：片状的固体
色	：不定
臭味	：无臭味
熔点	：200 摄氏度
溶解性	：不溶于水

10．安定性及反应性

安定性：通常的使用状能及适当的储存环境之下是非常的安定的，颜色会变黄
反应性：对于水及空气中常温之下安定
其　他：约 200 摄氏度以上就开始产生热分解

11．危害性：　急毒性：　无　对局部影响：　无

12.对于环境的影响：本产品对于水及在空气中都非常安定

13．废弃时要注意事项

本产品非属危险的“危险废弃物”，所以在一般政府许可的焚烧处及掩埋处都可以作处理

14.运送资料

国际送送规定：N.A.
国内运送规定：N.A.
特殊运送方法及注意事项：N.A.

15．适用的法令

美国加州防火标准，SGS
日本化学　物质管理促进办法：第一种指定化学物质　第 232 号　镍及其他化学物
日本劳动 安全卫生法通知对象物第 417 号　镍及其他化合物

16．关于其他方面资讯

注意：

上述所记载内容是依据至日前为止所能收集到情报编整而成。其含量及物理化学的性质危险性。有害性等有关事项未及充分有可能发生。
还有注意事项栏内是针对正常的使用状态之下而言，若有非正规的使用时请针对当场实际状况自行作安全上的防护措施。

物质安全资料表（MATERIAL SAFETY DATA SHEET） 版本 5(Edition 5)

1. 物质与厂商资料(IDENTIFICATION OF THE PRODUCT AND THE COMPANY)

物质名称(PRODUCT NAME)	**TT-219-5(C)**
供货商(SUPPLIER)	**王佳胶带科技(海安)有限公司(SEAL KING ADHESIVE TAPE TECHNOLOGY (HAI AN) CO.,LTD.)**
地址(ADDRESS)	**中国江苏省南通市海安市曲塘镇人民东路 888 号(No. 888, renmin east road, qutang town, haian city, nantong city, jiangsu province, China.)**
电话(TELEPHONE)	+86-513-88611888
传真(FAX)	+86-21-67726999
紧急联络电话 (EMERGENCY TELEPHONE NUMBER)	+86-21-67726888

2. 组合/成份辨识数据(COMPOSITION / INFORMATION ON INGREDIENTS)

组合(Composition):

	CAS NO	成分
压克力胶		
压克力树脂 **Acrylic glue**	**25085-41-0**	**31.5-33%**
镍 nickel	**7440-02-0**	**0.6-2.1%**
离型纸		**59-62.6%**
纸 paper	无	
聚乙烯 polyethyelene	**9002-88-4**	
硅油 silicone oil	**9016-00-6**	**0.8-4.4%**

有害物质(HAZARDOUS SUBSTANCES) 无(None)

该系列产品是离型纸涂上压克力胶所构成

(The product comprises with a tissue paper coated with acrylic glue on both sides and a release paper)

3. 危害辨识数据 HAZARD IDENTIFICATION

该系列产品未含有任何特殊的有害物质且依标准工业卫生与安全规范制造并须于常态下使用。依公司现行之相关知识，该系列产品被列为非有害物质

This product does not present any particular hazard substance and it is handled in accordance with good industrial hygiene and safety practice. It should be used under normal conditions. Depending on the knowledge of our product, it is not classified as a hazardous substance.

4. 危害性量测 (FIRST AID MEASURES)

吸入性危害(INHALATION) :	正常使用下不适用(Not applicable under normal using)
皮肤接触性危害(SKIN CONTACT) :	非特殊下适用(Applicable if not in special conditions)
眼睛接触性危害(EYE CONTACT) :	非特殊下适用(Applicable if not in special conditions)
食入性危害(INGESTION):	非特殊下适用(Applicable if not in special conditions)

5. 灭火性考虑 (FIRE FIGHTING MEASURES)

适用的灭火材质 SUITABLE EXTINGUISHING MEDIA : 任何常态性灭火材质均适用(Normal extinguishing media is appropriate.)

不适用的灭火材质 UNSUITABLE EXTINGUISHING MEDIA : 不详(Unknown)

特殊的曝露性危害物质 SPECIAL EXPOSURE HAZARDS :	该产品是加热会融化的可燃性物质，它会释放有害性或有毒性体如一氧化碳(It is a combustible material which may melt by heating . Harmful / toxic vapor such as carbon monoxide may be evolved.)
防火性防护措施 PROTECTION OF FIREFIGHTERS :	自备防护设备(Self contained breathing apparatus.)

6. 意外性释放量测(ACCIDENTAL RELEASE MEASURES)

各人防护(PERSONAL PROTECTION):	正常使用下不适用(Not applicable under normal using)
环境防护(ENVIRONMENTAL PROTECTION)：	该产品不会产生任何对环境危害之特殊风险因子(This product does not present any particular risk to the environment.)
清理方式(METHODS FOR CLEANING UP) :	正常使用下不适用(Not applicable under normal conditions of use.)

7. 安全处置与储存方式(HANDLING AND STORAGE)

处置(HANDLING) :	不须任何特殊的处理程序(Does not require any specific handling procedure.)
储存(STORAGE) :	储存于远离热源与阳光之密闭箱内(Please store it in a closed carton and keep it away from direct sources of heat and light.)
包装(PACKING) :	可使用各种可回收或可再使用的包材包装(Product may be packed in a variety of recyclable or reusable packaging.)

8. 曝露管制/各人防护 EXPOSURE CONTROLS / PERSONAL PROTECTION

技术性量测(TECHNICAL MEASURES) :	非特殊下适用(Applicable if not in special conditions)
.	
各人防护(PERSONAL PROTECTION):	非特殊下适用(Applicable if not in special conditions)

9. 物理与化学特性(PHYSICAL AND CHEMICAL PROPERTIES)

外观(APPEARANCE)	
-物理状态(PHYSICAL STATE)	**固体 (Solid)**
-型式(FORM)	**压克力胶/离型纸(Acrylic glue /Release Paper)**
-颜色(COLOUR)	**透明有黑色小点/白色 (Transparent/White/Transparent/White)**
气味(ODOUR)	**无(None)**
酸碱度(PH)	**不适用(Not applicable)**
沸点(BOILING POINT)	**不适用(Not applicable)**
熔点(MELTING POINT)	**高温下可熔解(The product will melt at high temperature)**
闪火点(FLASH POINT)	**不适用(Not applicable)**
可燃性(FLAMMABILITY)	**点燃后可燃烧(The product will burn if ignited)**
爆炸性(EXPLOSIVE PROPERTIES)	**不适用(Not applicable)**
氧化性(OXIDISING PROPERTIES)	**不适用(Not applicable)**
蒸气压(VAPOR PRESSURE)	**不适用(Not applicable)**
相对密度(RELATIVE DENSITY)	**约 1.0 (About 1.0)**
溶解度(SOLUBILITY)	

-水(WATER)	**不溶(Not soluble)**
-有机溶剂(ORGANIC SOLVENT)	**黏胶局部溶解于有机溶剂(Adhesive is partially soluble in common organic solvents.)**

10. 稳定度与反应性(STABILITY AND REACTIVITY)

应避免之状况(CONDITIONS SHOULD BE AVOIDED)：室温常态下该产品稳定(This product is stable at room temperature and normal handling conditions.)

危害性的分解物(HAZARDOUS DECOMPOSITION PRODUCTS)：燃烧或热解后可能释放有毒气体如一氧化碳(On combustion or thermal decomposition, toxic gases may be released such as oxides of carbon ($CO+CO_2$))

11. 毒性资料(TOXICOLOGICAL INFORMATION)

区域性影响(LOCAL EFFECTS) : 不适用(Not applicable.)

一般信息(GENERAL INFORMATION) : 基于我们的经验与知识，该产品在正常处理过程中不会产生有毒物质(Based on our experience and knowledge, this product does not have any toxic effect under normal handling conditions.)

12. 生态资料 ECOLOGICAL INFORMATION

持久性/可分解性(PERSISTENCE / DEGRADABILITY) 于土中，该产品不易分解(This product persists in the soil.)

产品之最终处置(THE DESTINATION OF PRODUCT) 未用完之成品通常用掩埋方式或焚化方式处理 Unused product is typically landfilled / incinerated where appropriate.)

可能的冲击与影响(POSSIBLE IMPACT / EFFECT) 不会分散(Not dispersible) 该产品不会产生任何特殊的环境问题(This product does not cause any specific problem to the environment.)

13. 废弃处置方法(DISPOSAL CONSIDERATIONS)

残留之废弃物(WASTE FROM RESIDUES) 尽可能回收使用，无法回收再使用的产品其处理须依当地法规处理，可该产品当作非有害性的工业废弃物处理或在合法的焚化炉烧毁处理。(Recycle the product wherever possible. For the disposal of non- recycled product, it should follow the local regulations. It can be disposed as a non hazardous industry waste or incinerated at a licensed site.)

包装之废弃物(WASTE FROM PACKAGING) 在正常的使用与储存下，不适于包材之污染物。可回收再利用或焚化方式处理纸或包材。(Under normal usage / storage conditions, the contaminations of packaging are not applicable. Depending on local possibilities, cardboard and plastic packaging should be treated either recycled or incinerated.)

注意 **NOTE:** 考虑废弃物之处理，使用者须注意当地可能存在之法规。(The user’s attention is drawn to the possible existence of local regulations regarding to disposal.)

14. 运输资料(TRANSPORT INFORMATION)

无 None

15. 法规资料(REGULATION INFORMATION)

标示(LABELLING)	无强制性之标示须求，产品为非危险性的/非危害性的。 建议顾客参考所有可适用的或相关的地方性及国家性法规，条款及法律 (No mandatory labeling is required. Product is not classified as dangerous / hazardous substance. It is recommended that the customer should refer to all applicable and relevant local / national regulations, provisions and legislation.)

16. 其他信息(OTHER INFORMATION)

本物质安全数据表是基于公司之诚信与发文当时对产品之认知而建立的。用户须注意的是使用时产品可能造成之风险而非刻意造成之风险，用户有责任在使用产品时尽可能的采取相关的防护动作并且我方无法保证上述之风险是产品使用时之所有风险，所以最终产品之选用是用户自己应负之责任。

The information presented in this Safety Data Sheet is based on our knowledge of the product at the time of publication and is given in good faith. The attention of the user should focus on the possible risks incurred by using the product for any other purpose than that for which it was intended. It is a sole responsibility of the user to take all precautions in handling the product. We cannot guarantee that the risks referred to above are the only risks present. The final choice of the application of a product is thus a sole responsibility of the user.

王佳胶带（海安）品保部 SEAL KING Q.A Department

发行日期 ISSUE DATE：2024.5.28



HD118A 热熔胶膜

1. 产品及供应商资料

商品描述：HD118A 热熔胶膜
厚度：0.05mm-0.30mm ，其他厚度可订制。
宽度：70cm、106cm 其他幅宽可订制。
基材纸:格拉辛双硅离型纸。
适用范围：主要应用于电子行业（屏蔽材料）领域，铝箔麦拉、PET、TPR、织物、皮革、导电布、聚酯泡棉聚醚泡棉等的粘接
性能：有较好的耐水洗、耐热性，粘接强度较好，手感较软。。
供应商资料:上海和和热熔胶有限公司/江苏和和新材料股份有限公司上海分公司/江苏和和新材料股份有限公司
联系地址：上海市嘉定区南翔镇科盛路 1051 号 /江苏省启东市滨海工业园区聚海路 22 号
电话：+86-021-59170529 传真：+86-021-69903033
24 小时紧急电话：
火警：119

2. 成份资料

该产品分类：热熔胶
基本组成：

主要成分名称	CAS No.：	比例
聚酯树脂 Polyester	25214-81-7	约 40%
热塑性聚氨酯 Thermoplastic polyurethanes	9009-54-5	约 30%
改性热熔胶 Modified hot melt adhesive		约 30%

未列出组分均为非危险化学品

3. 急救措施

吸入：将接触者移至空气流通处，寻求医疗救助。
皮肤或眼睛接触：被熔融状态产品烫伤后，用冷水冲洗烫伤处至少30分钟。
误食：漱口，寻求医疗救助。

4. 消防措施

适用灭火器材:干粉CO_2灭火器。
不宜选用的灭火方式：高压喷水。

消防防护：穿防护服，戴呼吸装备。

燃烧产生有害物质：一氧化碳、二氧化碳、氮氧化物

5. 泄露处理方法

特殊防护：无

清理方法：固化后，机械去除。

6. 处理与存储

处理：避免直接接触及吸入材料。在通风良好的场地进行操作。根据良好的工业卫生和安全规范进行操作

存储：包装完好存放，避免光线直射,温度不宜超过30℃.

7. 暴露控制与个体防护

暴露极限（人体暴露于危险化学品上限）

化学名称	备注	中国职业暴露极限（2007）	ACGIH（促进职业与环境健康协会）暴露极限

暴露控制措施：无

工程控制：保持良好的通风。

呼吸防护：通风不良穿戴合适的呼吸面具。

手防护：操作热熔胶戴手套。

眼睛防护：戴防护眼镜。

皮肤防护:穿防护服。

常规防护及保健措施：勿食，勿饮，工作场所禁烟，休息或者工作结束时要洗手。

8. 理化性能

外观 ： 乳白色半透明透明薄膜。

溶解性:不溶于水。

熔融指数 :25±5 g/10min(160^{0}C*2.16kg)

熔程 :80-122 ^{0}C

蒸汽压：不存在。

克重 ： 10.8±0.3 g/m^2/0.01mm

9. 稳定性和反应活性

应避免的环境：避免过度加热，避免阳光或者紫外线直射。

应避免的化学品：强酸强碱以及氧化剂。

有害分解产物：燃烧时释放有害物质，具体见消防措施。

10. 毒理信息

成分毒性/毒理数据：

成分名称	LD50/LC50（小鼠半致死量）

不致敏，无皮肤吸收性能，常规使用无毒害。

进入产品储存/使用场地的潜在健康影响 ：

皮肤刺激：
严重眼部刺激/损伤：
皮肤致敏：
致癌性：
呼吸危害：

11. 生态信息

小结：该产品无生态危害信息
搬运：
储存：
生物累积毒性：
该产品未进行生态影响测试。相关成分信息列于下表：

成分	生态毒理值
无数据	急性中毒量（鱼类）： 急性中毒量（水蚤）： 急性中毒量（藻类）

12. 废弃措施

丢弃方法：请按当地/国家相关法规丢弃

13. 运输信息

相关运输信息请参阅提货单

14. 法规信息

进出口管制状态：

中国 IECSC 清单	该产品符合现行进出口管制化学品要求
美国 EPA TSCA	该产品所有成分均不受 TSCA 管控。
加拿大 CEPA DSL	该产品不含被列入 DSL 管控的成分.
欧洲 REACH	
澳大利亚 AICS	该产品不含受澳大利亚 AICS 管控成分

15. 其他信息

MSDS 版本日期：06-04-2019 （月-日-年）

该安全数据表符合中国的标准和规定，但可能不符合其他国家要求。

本安全数据表根据 GBT16483-2008 编制。

制表部门：研发部

电话：+86-021-69122802

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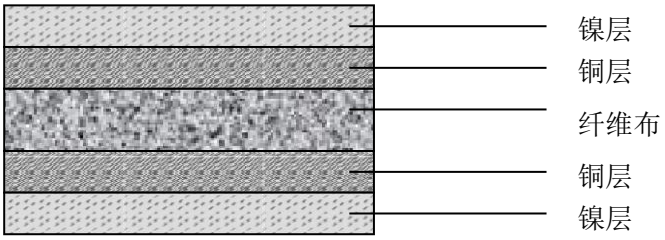
苏州宙畅电子科技有限公司

Suzhou Plain-sailing Electronic Technology Co., Ltd.
苏州市珠江路 511 号主厂房一楼　　TEL:0512-66900866　　FAX:0512-66901810

260T 导电布产品规格书

导电布是由polyester 纤维表面覆上铜和镍等金属制成的,铜和镍的结合提供极佳的导电性, 同时具备抗氧化和防腐蚀的特性, 在 10MHz 到 3GHz 的频率范围内均可得到良好的屏蔽效果

1. 剖面图



2 规格

项目	单位	标准
材质	/	涤塔夫
目数	T	260±10
宽度	mm	1100±20
厚度	mm	0. 08±0.008

3. 特性

项目	单位	结果	说明
表面阻抗	Ω/inch^2	≤0.05	25.4*50mm
垂直阻抗	Ω	≤0.05	25.4*50mm
镀层分析		铜，镍	
外观		灰色	银灰
屏蔽效能	dB	60---70	10MHz～3GHz

4. 注意事项

- 保存

a) 导电布应放置于阴凉处所，避免高温高湿或日晒下保存。
b) 品质保证期为制造后6个月，若存放期限超过6个月，则需对其功能进行再次判定。
c) 最佳存放条件：22±5℃,40%～65%R.H，导电布耐温范围：-25~85℃。

- 应用技术

a) 贴胶时要达到最佳的粘接效果，粘接表面必须是洁净、干燥、无油污等其他杂质。
b) 贴胶时的最佳温度范围是：20～28℃。

- 重要提示

以上数据由实验室所做典型测试提供，仅供参考. 使用时需确认此产品是否适用于某一特定用途以及适合使用者的应用方式，很多因素影响产品在特定用途中的使用和性能。

日期.2018-09-27

苏州林大新型材料科技有限公司

物质性能表

品名	B380		生产日期		2020.07	
规格	根据客户指定规格生产		材质		PU 泡棉	
主要成分	二苯亚甲基二异氰酸酯 53%（101-68-8），聚醚多元醇 20%（9003-11-6），聚醚醇 25%（3055-99-0），水 0.50%（7732-18-5），硅油 1.50%（63148-62-9）					
检测项目	单位	参照标准	要求值	实测值	业务部	赵芸
色泽	/	基本均匀	OK	OK		
气孔	/	不允许大于3mm	OK	OK		
裂缝	/	不允许有裂缝	OK	OK	生产部	王斌
两侧表皮	/	不允许两侧有表皮	OK	OK		
污染	/	允许有轻微存在	OK	OK		
表观密度	Kg/m^3	GB6343	50±5	48	工程师	张梦楠
表面硬度	°	JIS.K6301A	90±5	92		
拉伸强度	KPA	GB/T 6344	≥160	170		
断裂载荷	N	GB/T 6344	≥15	18.43		
断裂伸长率	%	GB/T 6344	≥70	87.23		

ILD 压陷 25%力值	N	GB/T 10807	≥310	333		
ILD 压陷 40%力值	N	GB/T 10807	≥410	437		
ILD 压陷 65%力值	N	GB/T 10807	≥950	966		
永久压缩变形（25％）	%	GB/T 6669	≤8	7.3		
使用温度	℃	-40-120				

注：

1.泡棉测试时的室内温度为 24℃，相对湿度为 60%;

2.本公司试验室仪器同时符合以下国家质量标准：ASTM,CNS,JIS,CLE 等。

3.以上物性数据由本公司材料试验室提供，仅供参考。

审核： 张红晓　　测试员：胡芳

和和热熔胶
Hehe Hot Melt adhesive

www.hotmelts.cn

Technical Data Sheet
技术资料

ISO 9001:2015 certified
Revision: 06.04.2019

HD118A | **热熔胶膜**

1. 产品描述

HD118A 是热塑性聚酯为主体的环保型热熔胶薄膜，主要应用于电子行业（屏蔽材料）领域，铝箔麦拉、PET、TPR、织物、皮革、导电布、聚酯泡棉聚醚泡棉等的粘接.

2. 物理特性

外观：乳白色半透明薄膜
克重：10.8±0.3 g/m2/0.01mm
密度：--
熔程：80-122℃
耐水洗性能（40℃）：很好
耐干洗性能： 一般

3. 应用工艺建议

平板压烫
温度：120-150
压力：0.2-0.6Mpa
时间：8-20s
复合机
温度：130-160℃
辊速：5m/min 左右
导电布包泡棉成型
温度：180-200℃
速度：5m/min 左右

4. 储存及保质

室内 10-35℃，阴凉通风，注意防潮，本产品的保质期从生产日算起保质一年。

5. 操作指南

粘接表面预处理：粘接的表面需要干净，干燥和没有油脂。PET 材料必须进行电处理或氧化预处理。PVC 类材料建议用合适的清洗剂或打底剂预处理。

准备工作：施胶设备/辊筒设定合适的温度，太高的温度会导致胶膜的分解。根据设备的结构合理调整工艺一般情况达到 150℃就完全足够。一般情况下对被粘材料进行预热处理更利于材料粘结，特别是在寒冷的天气。

推荐打开包装后一次性使用完。

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6. 基材的预处理

类似象油污,灰尘,及腐蚀性的各类污染物都会影响粘合剂的粘接性能，故此基材表面必须干净,干燥,确保没有污染物。

7. 养护条件

为了达到最佳粘接效果，粘合后后的产品最好有冷压定型操作，并希望可以存储在适合的温度（例如：25℃的温度）。一般情况粘合后冷却至室温即可达到较大粘结强度，一般认为 1h 后稳定，24h 后达到最佳粘结强度。因被粘材料和施胶设备差异，请选择合适厚度的胶膜，并适当调整工艺参数。请联系和和的销售代表以获得更多信息。

8. 健康及安全防护

本产品在加热状态下使用，操作者应穿防护服以及戴防护眼镜以避免烫伤，操作环境最好具有良好的通风，避免可能产生的烟雾。

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王佳膠帶 SEAL KING

Technical Data Sheet

2024/4/26

TT-219-5(C)、TT-219-5(D)、TT-219-5(F)

產品說明： 低阻抗值，耐曲性佳，具EMI/RFI遮蔽效果。

適用於導電布、導電泡棉、導電棉紙、銅鋁箔貼合。

有效規格： 1030mm、1060mm、1070mm、1230mm、1300mm、1380mm

長度規格： 50M、100M、200M、300M、400M、500M、600M

離型襯墊： 白雙PE雙離型紙

基　　材： 無

總 厚 度： 0.050mm±0.005mm

物性				測試標準
180°黏著力 (對SUS#304)	＞ 1500 g/ 2.50 cm	＞ 52.91 OZ/ in	＞ 14.64 N/ 2.50 cm	PSTC-1
保持力	＞ 72 hours	(1.0kg/2.5cm*2.5cm)		PSTC-7
80℃ 耐溫保持力	＞ 48 hours	(0.5kg/2.5cm*2.5cm)		PSTC-7
阻抗值： (對銅箔)	＜ 0.01 Ω	(10mm*10mm)		ASTM D257

備注：

(1)試驗環境溫度23±5℃及濕度55±10%RH。

(2)粘著力及保持力測試均用 25μ PET 轉貼後測試，粘著力測試速度為300mm/min。

(3)建議儲存及使用環境為：溫度15-28℃，濕度 40%-70%，保存期限一年。勿存放於高溫、高濕及日照處

(4)使用前請先行測試，以免被貼物表面不穩定物質影響膠性。

(5)建議轉貼導電布後，請先靜置24小時以上，確保導電布與膠面完全貼合後再進行測試。

(6)以上資料僅供參考，實際情況須依客戶測試後效果為准。

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JiangSu Yongshuo Electronics Co.,Ltd

CERTIFICATION OF CONFORMITY

Date: 2026-3-9

Dear Sir:

This is to certify that our delivery prodcts mentioned below have been inspected and or network critical parameters and comply with the published specification.If we privately alter materials,take fullresponsibility.

CUSTOMER: DIVA

CUSTOMER P/N: 3H210002403

YONGSHUO P/N: 3H210002403

Drawing Issue No.: A

P/O: NA



Autborized Signature