

Regolamento (UE) 2025/40 / Regulation (EU) 2025/40

La presente checklist costituisce la pagina iniziale del Fascicolo Tecnico PPWR e identifica la documentazione disponibile e valutata a supporto della verifica dei requisiti applicabili all'imballaggio.

This checklist constitutes the first page of the PPWR Technical File and identifies the documentation available and reviewed to support verification of the requirements applicable to the packaging.

1. IDENTIFICAZIONE / IDENTIFICATION

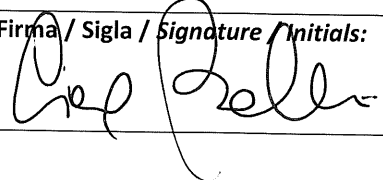
Codice prodotto Giorgio Bormac <i>Giorgio Bormac product code</i>	Tutti gli strumenti della linea ARGOLAB nelle varianti TC (stufe) – IC (incubatori)– CH 250 , si allega elenco / All instruments in the ARGOLAB range, including the TC (ovens), IC (incubators) and CH 250 models; a list is attached
Descrizione prodotto <i>Product description</i>	pallet in legno fumigato, scatola di cartone, spugna protettiva e sacchetto di plastica / fumigated wooden pallet, cardboard box, protective foam and plastic bag
Tipologia di imballaggio <i>Packaging type</i>	☐ Prodotto / <i>Product</i> ☐ Spedizione esterno / <i>Outer shipping</i> ☐ Spedizione interno / <i>Inner shipping</i>
Data aggiornamento fascicolo <i>Technical file update date</i>	24.09.2026

2. DOCUMENTAZIONE PRESENTE NEL FASCICOLO / DOCUMENTATION INCLUDED IN THE TECHNICAL FILE

Documentazione / Evidenza <i>Documentation / Evidence</i>	Presente <i>Available</i>	N.A. <i>N.A.</i>	Riferimento documento / Note <i>Document reference / Notes</i>
Dichiarazione PPWR del fornitore / fabbricante <i>PPWR declaration from supplier / manufacturer</i>	☒	☐	
Scheda tecnica / specifica tecnica dell'imballaggio <i>Packaging technical datasheet / technical specification</i>	☒	☐	
Informazioni su composizione, materiali, peso e dimensioni <i>Information on composition, materials, weight and dimensions</i>	☒	☐	
Dichiarazioni / evidenze relative a sostanze soggette a restrizione (es. metalli pesanti, PFAS ove applicabili) <i>Declarations / evidence concerning restricted substances (e.g. heavy metals, PFAS where applicable)</i>	☒	☐	TEST REPORT INCLUDED

Informazioni / evidenze relative al contenuto di materiale riciclato, se applicabile <i>Information / evidence concerning recycled content, where applicable</i>	☐	☒	
Informazioni / evidenze relative alla riciclabilità <i>Information / evidence concerning recyclability</i>	☐	☒	
Rapporti di prova / analisi di laboratorio, se disponibili <i>Test reports / laboratory analyses, if available</i>	☒	☐	
Certificazioni o altre evidenze tecniche, se disponibili <i>Certifications or other technical evidence, if available</i>	☐	☒	
Informazioni relative all'identificazione / etichettatura dell'imballaggio <i>Information concerning packaging identification / labelling</i>	☒	☐	
Altra documentazione tecnica pertinente <i>Other relevant technical documentation</i>	☐	☒	

3. VERIFICA DOCUMENTALE / DOCUMENT REVIEW**Esito / Outcome:**☒ Documentazione adeguata ai requisiti applicabili / *Documentation adequate for applicable requirements*☐ Documentazione da integrare / *Documentation to be supplemented*☐ In attesa di documentazione dal fornitore / *Awaiting supplier documentation***Eventuali note / integrazioni richieste / Notes / additional documentation required:**

Verificato da / Reviewed by: Chiara Borellini	Data / Date: 24/09/2026	Firma / Sigla / Signature / Initials: 
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41200002	Stufa TCN 50 NEW a convezione naturale
41200012	Stufa TCN 115 NEW a convezione naturale
41200022	Stufa TCN 200 NEW a convezione naturale
41200062	Stufa TCN 30 NEW a convezione naturale
41200202	Stufa TCF 50 NEW a ventilazione forzata
41200212	Stufa TCF 120 NEW a ventilazione forzata
41200222	Stufa TCF 200 NEW a ventilazione forzata
41200232	Stufa TCF 400 NEW a ventilazione forzata
41200502	Stufa TCN 50 SUPER NEW a convezione naturale
41200512	Stufa TCN 115 SUPER NEW a convezione naturale
41200522	Stufa TCN 200 SUPER NEW a convezione naturale
41200602	Stufa TCF 50 SUPER NEW a ventilazione forzata
41200612	Stufa TCF 120 SUPER NEW a ventilazione forzata
41200622	Stufa TCF 200 SUPER NEW a ventilazione forzata
41200632	Stufa TCF 400 SUPER NEW a ventilazione forzata
41200802	Incubatore ICF 55 NEW a ventilazione forzata
41200812	Incubatore ICF 120 NEW a ventilazione forzata
41200822	Incubatore ICF 200 NEW a ventilazione forzata
41200832	Incubatore ICF 400 NEW a ventilazione forzata
41200902	Incubatore ICF 55 SUPER NEW a ventilazione forzata
41200912	Incubatore ICF 120 SUPER NEW a ventilazione forzata
41200922	Incubatore ICF 200 SUPER NEW a ventilazione forzata
41200932	Incubatore ICF 400 SUPER NEW a ventilazione forzata
41201002	Incubatore ICN 16 NEW a convezione naturale
41201012	Incubatore ICN 35 NEW a convezione naturale
41201022	Incubatore ICN 55 NEW a convezione naturale
41201032	Incubatore ICN 120 NEW a convezione naturale
41201042	Incubatore ICN 200 NEW a convezione naturale
41201302	Incubatore ICN 16 SUPER NEW a convezione naturale
41201312	Incubatore ICN 35 SUPER NEW a convezione naturale
41201322	Incubatore ICN 55 SUPER NEW a convezione naturale
41201332	Incubatore ICN 120 SUPER NEW a convezione naturale
41201342	Incubatore ICN 200 SUPER NEW a convezione naturale
41201422	CLIMATEST CH 250 NEW Camera Climatica (250lt)
41201512	Incubatore refrigerato IC 150 R NEW
41202402	Incubatore Peltier IC 50 P

检测报告

编号: SHAEC26017699303

日期: 2026 年 06 月 22 日

第 1 页, 共 7 页

客户名称: 上海忠铭木业有限公司
客户地址: 上海市嘉定区南翔镇丰翔路 1755 号 3 幢 107 室

样品名称: 胶合板

以上样品及信息由客户提供。

SGS 工作编号: SHP26-021912
样品接收时间: 2026 年 06 月 15 日
检测周期: 2026 年 06 月 15 日 ~ 2026 年 06 月 22 日
检测要求: 根据客户要求检测。
检测方法: 见后续页。
检测结果: 见后续页。

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

通标标准技术服务(上海)有限公司
授权签名

罗萍

Carol Luo 罗萍
批准签署人

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SGS-CTC Standards Technical Services (Shanghai) Co., Ltd.
Chemical Laboratory

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检测报告

编号: SHAEC26017699303

日期: 2026 年 06 月 22 日

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检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	SHA26-0176993-0001.C001	本色木板

备注:

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

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

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

检测项目	限值	单位	MDL	A1
铅 (Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND
一溴联苯 (MonoBB)	-	mg/kg	25	ND
二溴联苯 (DiBB)	-	mg/kg	25	ND
三溴联苯 (TriBB)	-	mg/kg	25	ND
四溴联苯 (TetraBB)	-	mg/kg	25	ND
五溴联苯 (PentaBB)	-	mg/kg	25	ND
六溴联苯 (HexaBB)	-	mg/kg	25	ND
七溴联苯 (HeptaBB)	-	mg/kg	25	ND
八溴联苯 (OctaBB)	-	mg/kg	25	ND
九溴联苯 (NonaBB)	-	mg/kg	25	ND
十溴联苯 (DecaBB)	-	mg/kg	25	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	25	ND
二溴二苯醚 (DiBDE)	-	mg/kg	25	ND
三溴二苯醚 (TriBDE)	-	mg/kg	25	ND
四溴二苯醚 (TetraBDE)	-	mg/kg	25	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	25	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	25	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	25	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	25	ND



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检测报告

编号: SHAEC26017699303

日期: 2026 年 06 月 22 日

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检测项目	限值	单位	MDL	A1
九溴二苯醚 (NonaBDE)	-	mg/kg	25	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	25	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	ND

备注:

(1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列。

(3) 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。

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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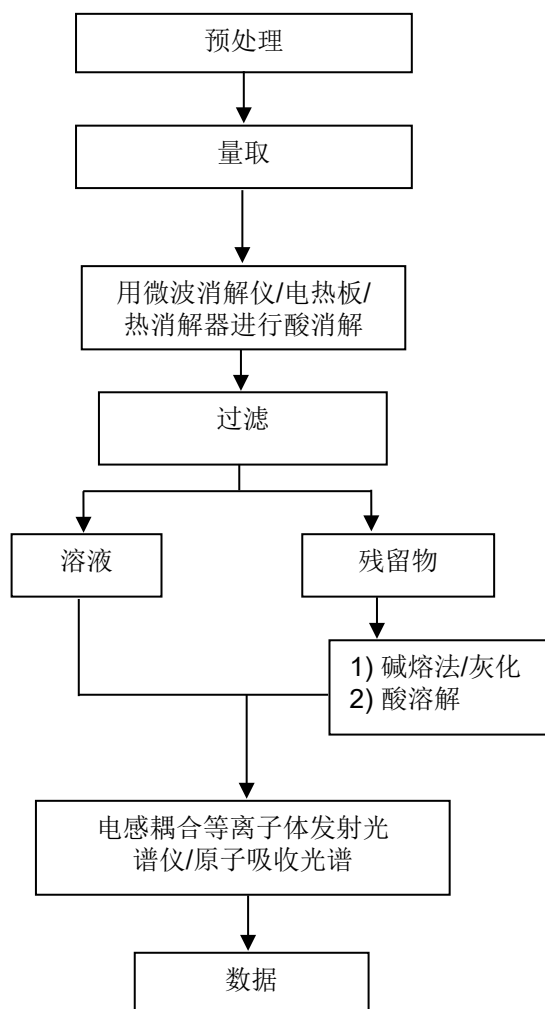
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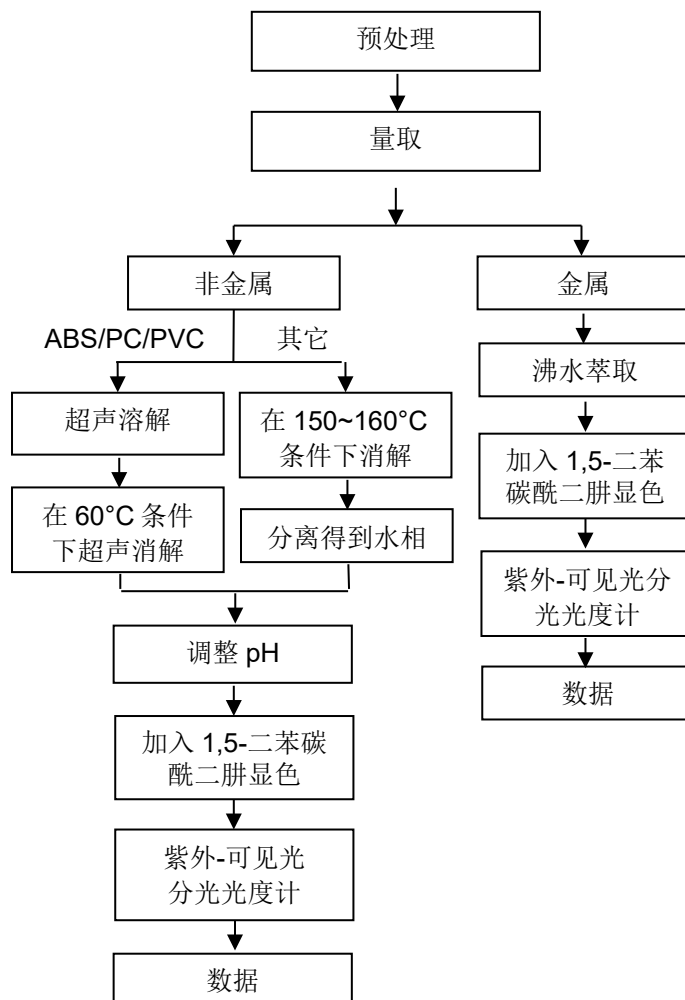
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元素检测流程图

样品中的 Pb/Cd/Hg 按照下述流程被完全消解。



六价铬检测流程图



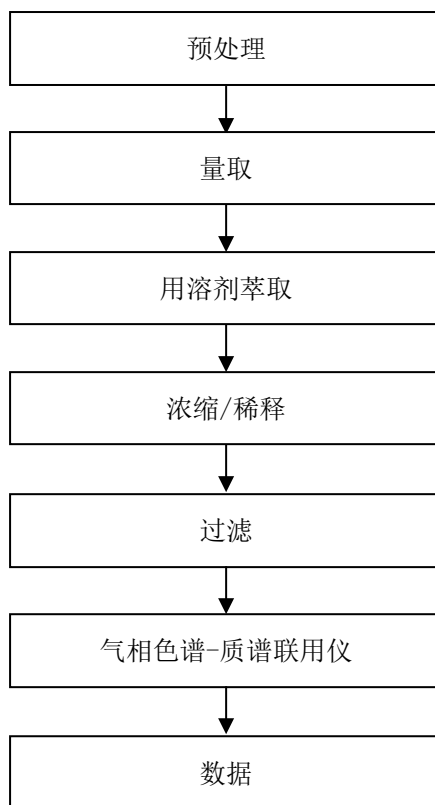
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PBB(s)/PBDE(s)/Phthalates 检测流程图



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检测报告

编号: SHAEC26017699303

日期：2026 年 06 月 22 日

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样品照片:



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检测报告
Test Report报告编号 A2260085609101002E
Report No. A2260085609101002E第 1 页 共 8 页
Page 1 of 8报告抬头公司名称 昆山美泰纸业有限公司
Company Name KUNSHAN MEITAI PAPER CO., LTD.
shown on Report
地 址 江苏省苏州市昆山市淀山湖镇双和南路258号
Address NO. 258, SHUANGHE SOUTH ROAD, DIANSHANHU TOWN, KUNSHAN CITY,
SUZHOU CITY, JIANGSU PROVINCE

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 瓦楞纸板
Sample Name corrugated cardboard
样品接收日期 2026.01.29
Sample Received Date Jan. 29, 2026
样品检测日期 2026.01.29-2026.02.03
Testing Period Jan. 29, 2026 to Feb. 3, 2026

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)进行测试。

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

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

宋岩

宋岩
技术经理 Technical Manager日 期
Date

2026.02.03

No. R686126602

江苏省苏州市相城区澄阳路3286号

No.3286Chengyang Road, Xiangcheng District, Suzhou, Jiangsu

检测报告
Test Report

报告编号A2260085609101002E
Report No. A2260085609101002E

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结论 Conclusion

测试样品 Tested Sample	依据标准/指令 According to standard/directive	结果 Result
提交样品 Submitted Sample	欧盟RoHS指令2011/65/EU及其修订指令 (EU) 2015/863 RoHS Directive 2011/65/EU with amendment (EU) 2015/863	符合 PASS

符合表示检测结果满足欧盟RoHS指令2011/65/EU及其修订指令 (EU) 2015/863要求的限值。
PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

检测报告
Test Report

报告编号 A2260085609101002E
Report No. A2260085609101002E
检测依据 Test Method

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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

报告编号 A2260085609101002E
Report No. A2260085609101002E
检测结果 Test Result(s)

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测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	002		
铅 Lead (Pb)	8 mg/kg	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	002		
多溴联苯 Polybrominated Biphenyls (PBBs)			
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg	

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	002		
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)			
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg	
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg	
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg	
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg	
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg	
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg	
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg	
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg	

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	002		
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)			
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

样品/部位描述 Sample/Part Description

序号 No.	CTI样品ID CTI Sample ID	描述 Description
1	002	土黄色纸板 Khaki paper board

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%

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

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

检测报告

Test Report

报告编号 A2260085609101002E

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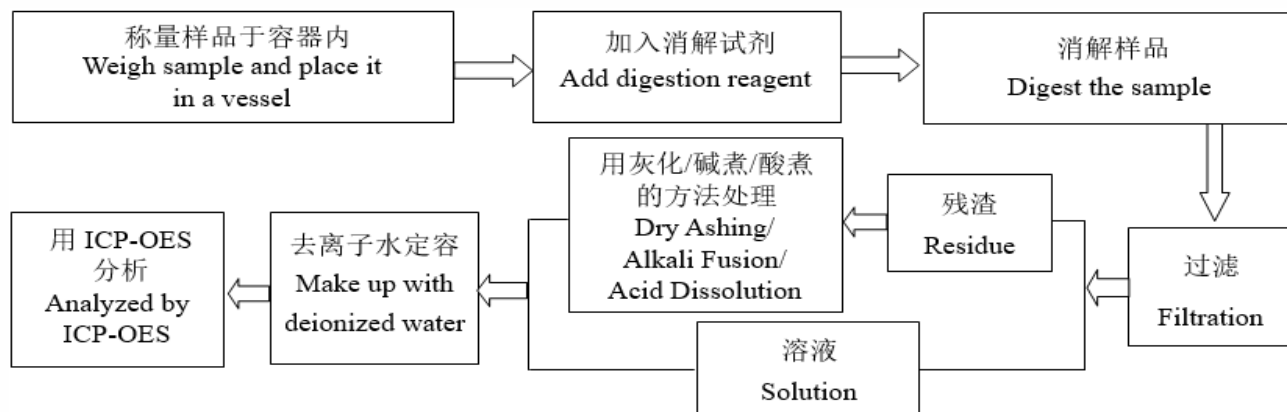
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检测流程 Test Process

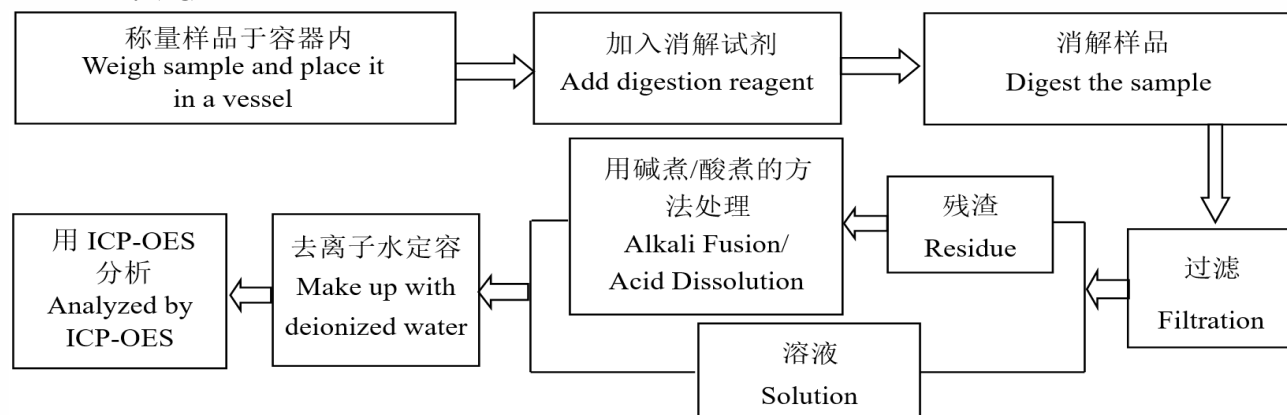
1. 铅(Pb), 镉(Cd), 铬(Cr)

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



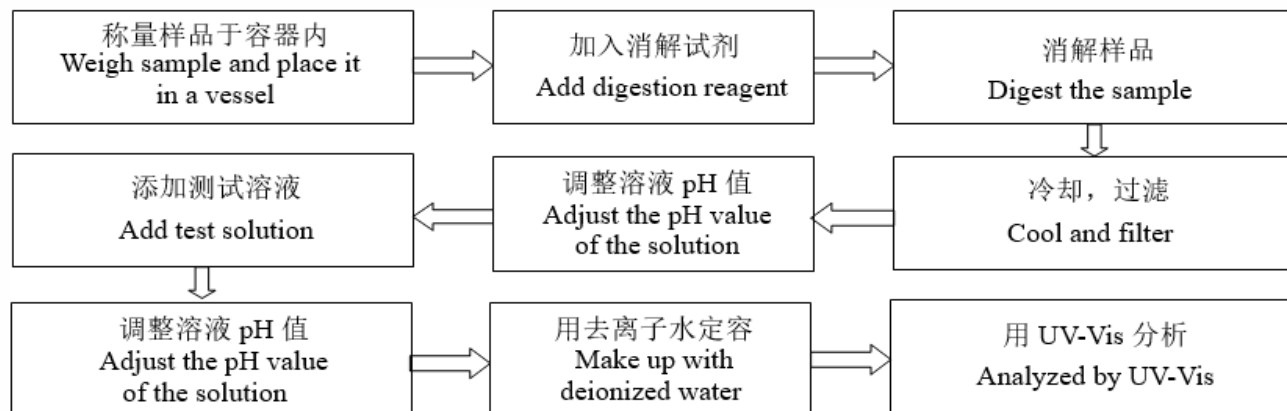
2. 汞(Hg)

Mercury (Hg)



3. 六价铬(Cr(VI))

Hexavalent Chromium (Cr(VI))

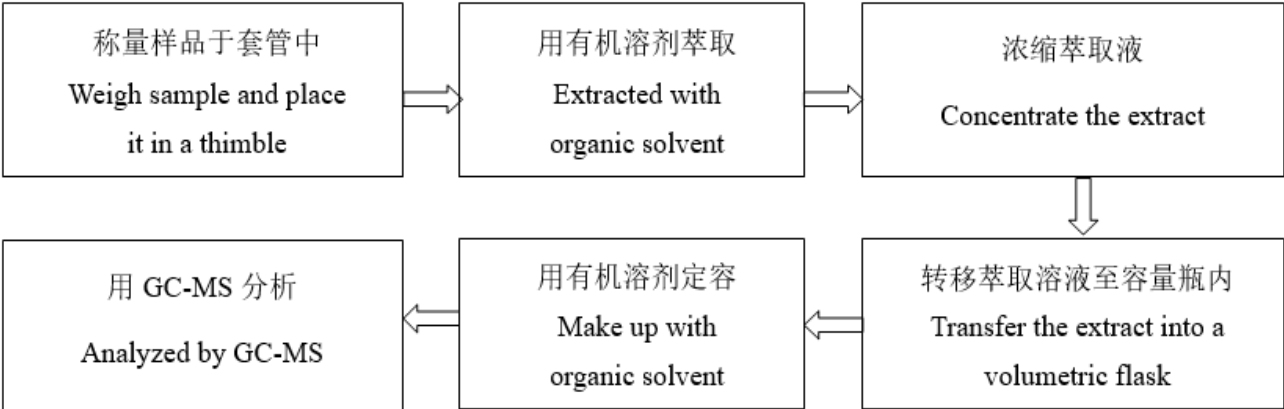


检测报告
Test Report

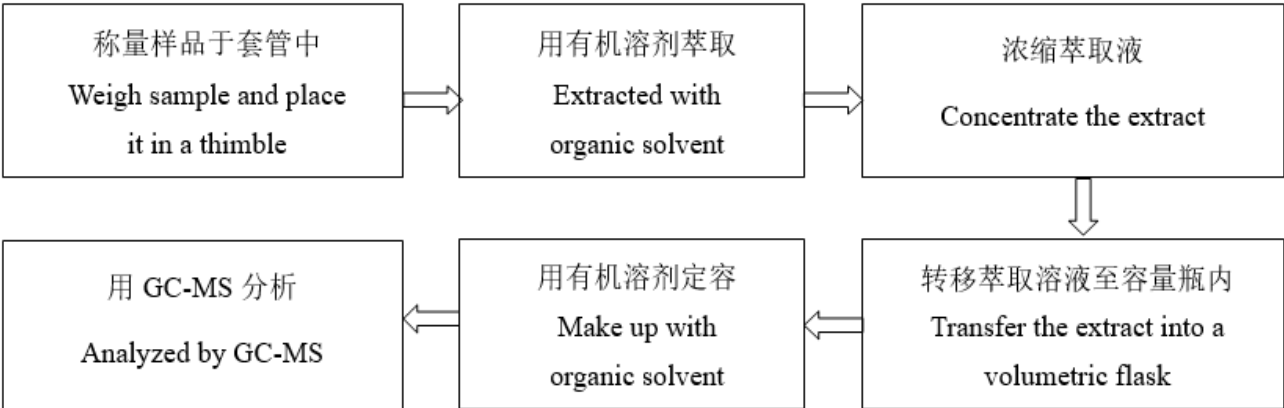
报告编号 A2260085609101002E
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4. 多溴联苯 (PBBs), 多溴二苯醚 (PBDEs)
Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



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

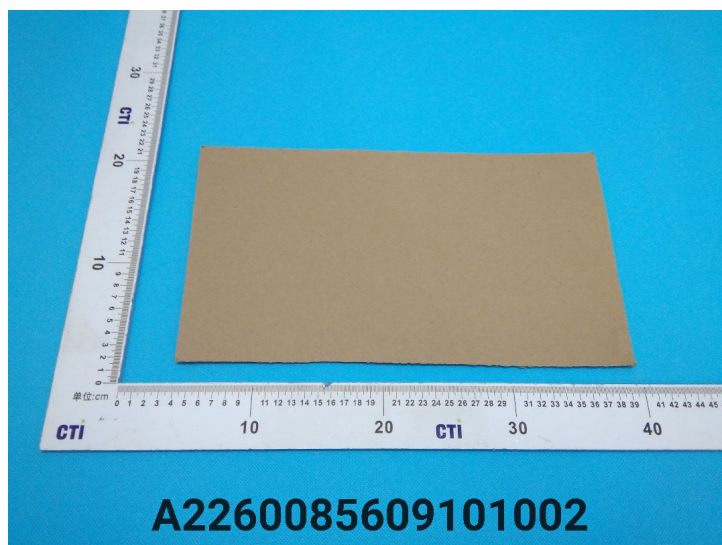


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样品图片 Photo(s) of the sample(s)



声明Statement:

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This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供, 申请者应对其真实性负责, CTI未核实其真实性;
The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. 本报告检测结果仅对受测样品负责;
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明, 报告参照ILAC-G8:09/2019 / CNAS-GL015:2022使用简单接受(w=0)二元判定规则进行符合性判定;
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
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报告结束

*** End of report ***



检测报告

Test Report

报告编号 A2260460118101001E
Report No. A2260460118101001E

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报告抬头公司名称 苏州派艾格包装材料有限公司
Company Name SUZHOU PAGR PACKAGING MATERIALS CO., LTD
shown on Report
地 址 江苏省太仓市浮桥镇富桥工业园三期19-21幢
Address TAICANG RICH BRIDGE PONTOON BRIDGE TOWN INDUSTRIAL PARK, THE THIRD PHASE OF 19-21

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 EPE珍珠棉
Sample Name EPE Pearl cotton
样品接收日期 2026.06.05
Sample Received Date Jun. 5, 2026
样品检测日期 2026.06.05-2026.06.08
Testing Period Jun. 5, 2026 to Jun. 8, 2026

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), 铍(Be), 氟(F), 氯(Cl), 溴(Br), 碘(I)进行测试。
Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP), Beryllium(Be), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I) in the submitted sample(s).

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



批准
Approved by

宋岩
技术经理 Technical Manager

日 期
Date 2026.06.08

No. R375301186

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

检测报告
Test Report

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Report No. A2260460118101001E
检测依据 Test Method

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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
铍 Beryllium(Be)	参考US EPA 3052:1996 & US EPA 6010D:2018* Refer to US EPA 3052:1996 & US EPA 6010D:2018*	ICP-OES
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

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检测结果 Test Result(s)

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测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
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
	001	
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
	001	
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

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检测结果 Test Result(s)

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测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
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
测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
铍 Beryllium (Be)	N.D.	10 mg/kg
测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
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

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样品/部位描述 Sample/Part Description

序号 No.	CTI样品ID CTI Sample ID	描述 Description
1	001	白色泡棉 White foam

备注: 对于检测铅, 镉, 汞, 铍之样品已消解完全。

-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, Beryllium.

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

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。

Note: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

“*” indicates the method(s) is (are) not in CNAS accreditation scope.

检测报告
Test Report

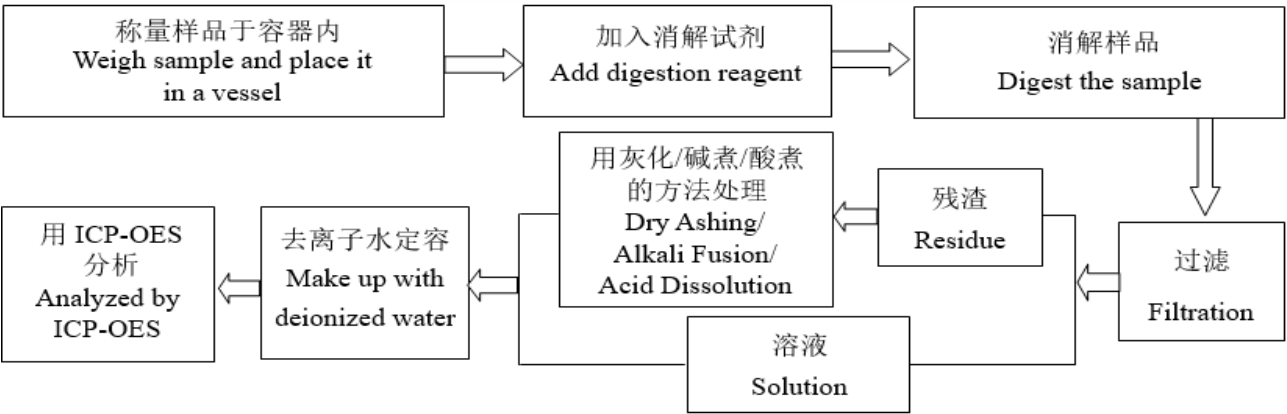
报告编号 A2260460118101001E
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检测流程 Test Process

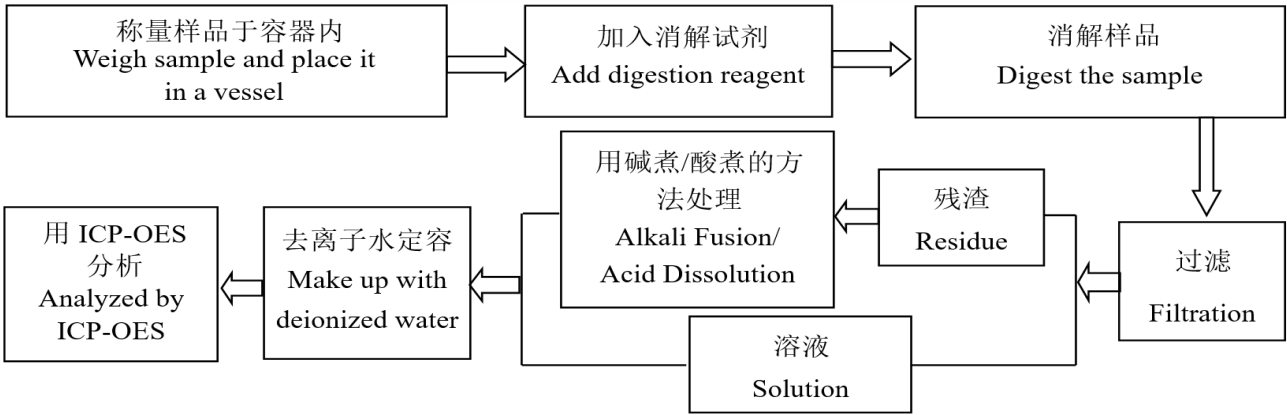
1. 铅(Pb), 镉(Cd), 铬(Cr)

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



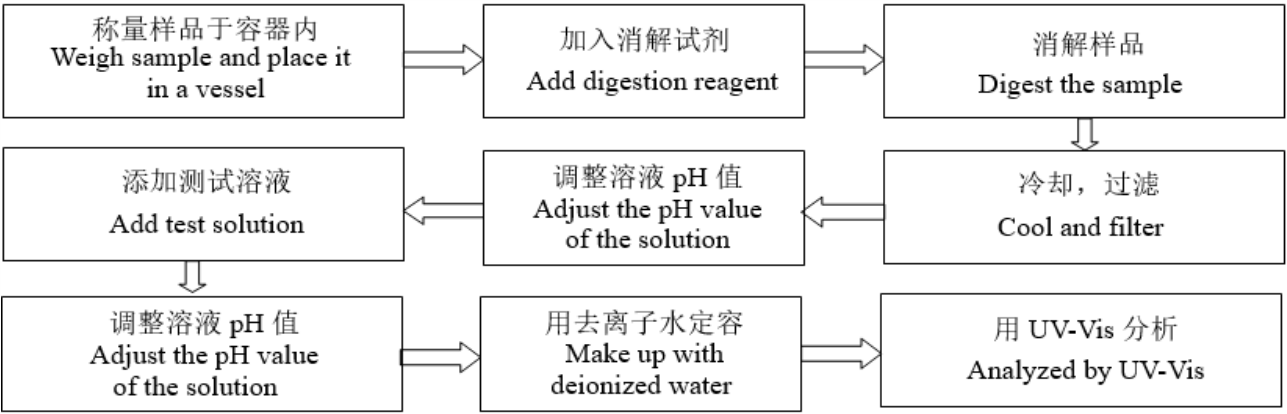
2. 汞(Hg)

Mercury (Hg)



3. 六价铬(Cr(VI))

Hexavalent Chromium (Cr(VI))



检测报告 Test Report

报告编号 A2260460118101001E

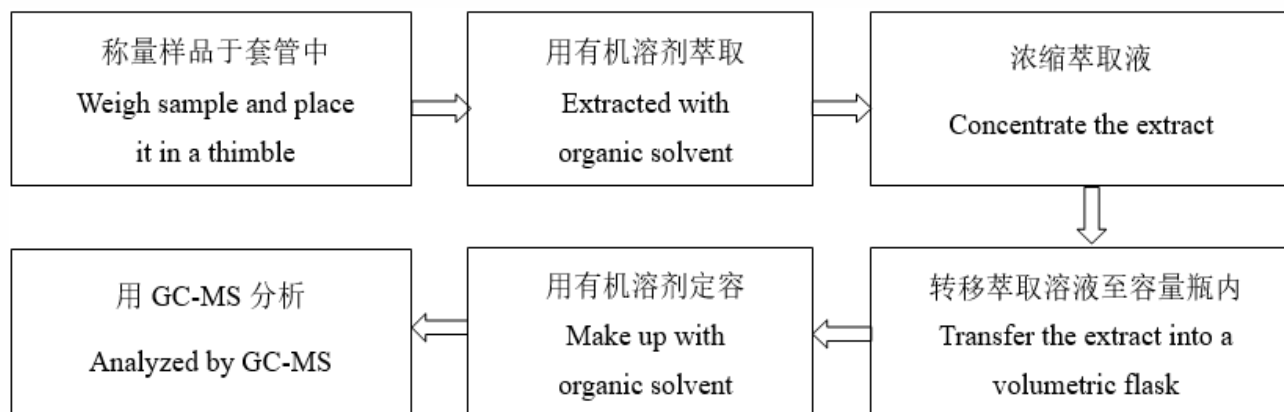
Report No. A2260460118101001E

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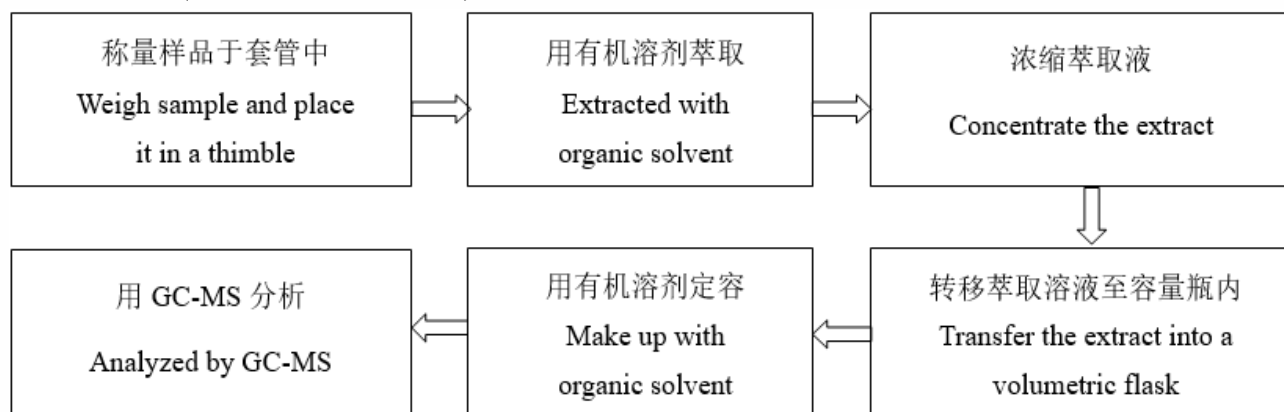
4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)

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



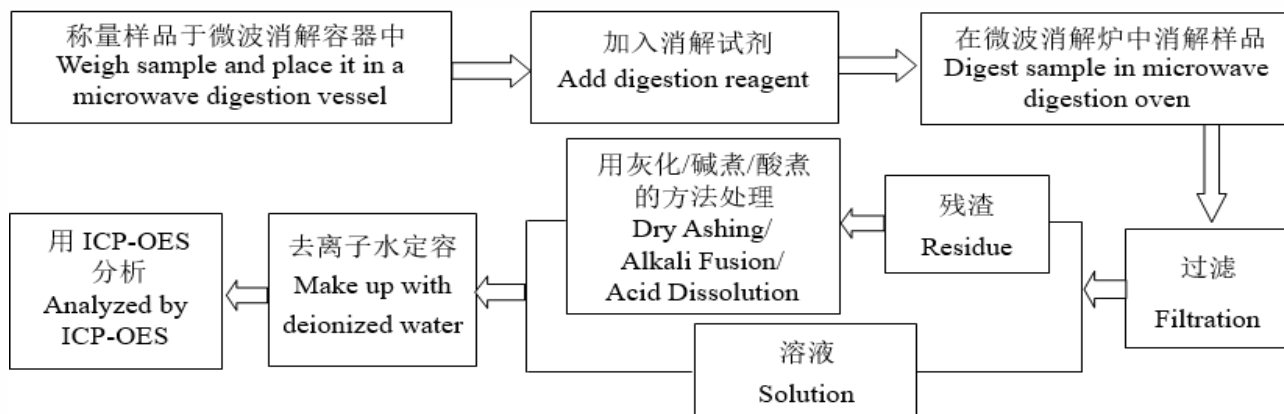
5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)

Phthalates (DBP, BBP, DEHP, DIBP)



6. 铍(Be)

Beryllium(Be)

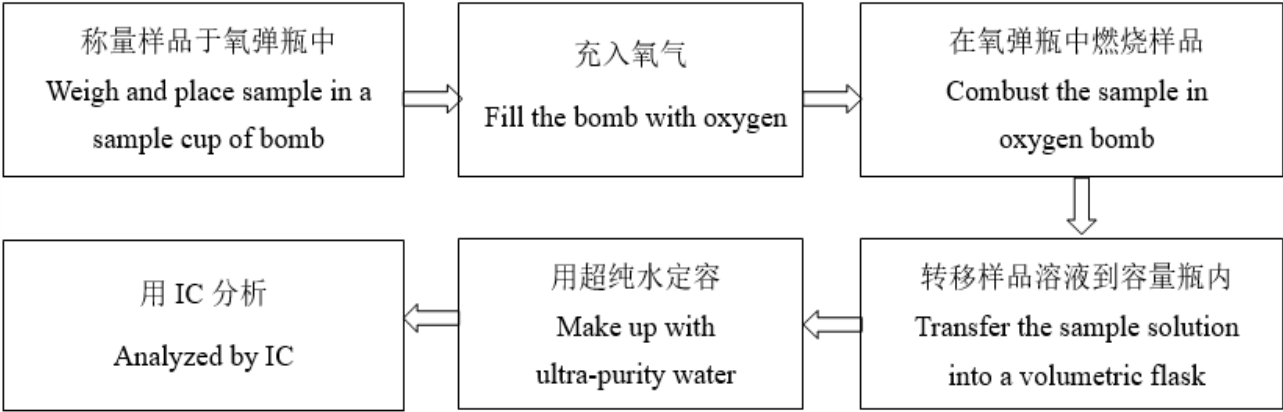


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7. 氟(F), 氯(Cl), 溴(Br), 碘(I)
Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)

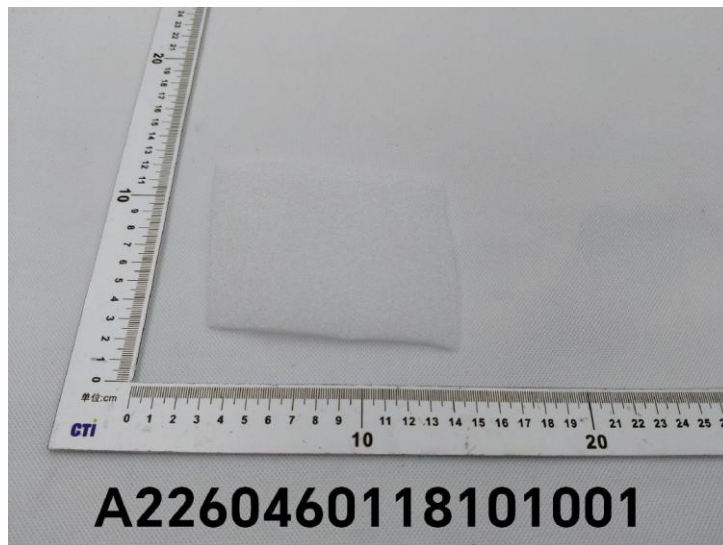


检测报告 Test Report

报告编号 A2260460118101001E
Report No. A2260460118101001E

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样品图片 Photo(s) of the sample(s)



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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;
3. 本报告检测结果仅对受测样品负责;
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明, 报告参照ILAC-G8:09/2019 / CNAS-GL015:2022使用简单接受(w=0)二元判定规则进行符合性判定;
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
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报告结束

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检测报告

编号: SHAEC26004581702

日期: 2026 年 03 月 02 日

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客户名称: 宜诺包装科技(上海)有限公司
客户地址: 上海市奉贤区庄行镇浦卫公路 4016 号

样品名称: EPE 珍珠棉 (白色)
以上样品及信息由客户提供。

SGS 工作编号: SHP26-005613
样品接收时间: 2026 年 02 月 26 日
检测周期: 2026 年 02 月 26 日 ~ 2026 年 03 月 02 日
检测要求: 根据客户要求检测。
检测方法: 见后续页。
检测结果: 见后续页。

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

通标标准技术服务 (上海) 有限公司
授权签名

张苏苏

Susu Zhang 张苏苏
批准签署人

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检测报告

编号: SHAEC26004581702

日期: 2026 年 03 月 02 日

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检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	SHA26-0045817-0001.C001	白色固体

备注:

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

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

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

检测项目	限值	单位	MDL	A1
铅 (Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND
一溴联苯 (MonoBB)	-	mg/kg	25	ND
二溴联苯 (DiBB)	-	mg/kg	25	ND
三溴联苯 (TriBB)	-	mg/kg	25	ND
四溴联苯 (TetraBB)	-	mg/kg	25	ND
五溴联苯 (PentaBB)	-	mg/kg	25	ND
六溴联苯 (HexaBB)	-	mg/kg	25	ND
七溴联苯 (HeptaBB)	-	mg/kg	25	ND
八溴联苯 (OctaBB)	-	mg/kg	25	ND
九溴联苯 (NonaBB)	-	mg/kg	25	ND
十溴联苯 (DecaBB)	-	mg/kg	25	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	25	ND
二溴二苯醚 (DiBDE)	-	mg/kg	25	ND
三溴二苯醚 (TriBDE)	-	mg/kg	25	ND
四溴二苯醚 (TetraBDE)	-	mg/kg	25	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	25	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	25	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	25	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	25	ND



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检测报告

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检测项目	限值	单位	MDL	A1
九溴二苯醚 (NonaBDE)	-	mg/kg	25	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	25	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	ND

备注:

(1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列。

(3) 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。

卤素

检测方法: 参考 EN 14582:2016, 采用 IC 进行分析。

检测项目	单位	MDL	A1
氟 (F)	mg/kg	20	ND
氯 (Cl)	mg/kg	50	ND
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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检测报告

附件

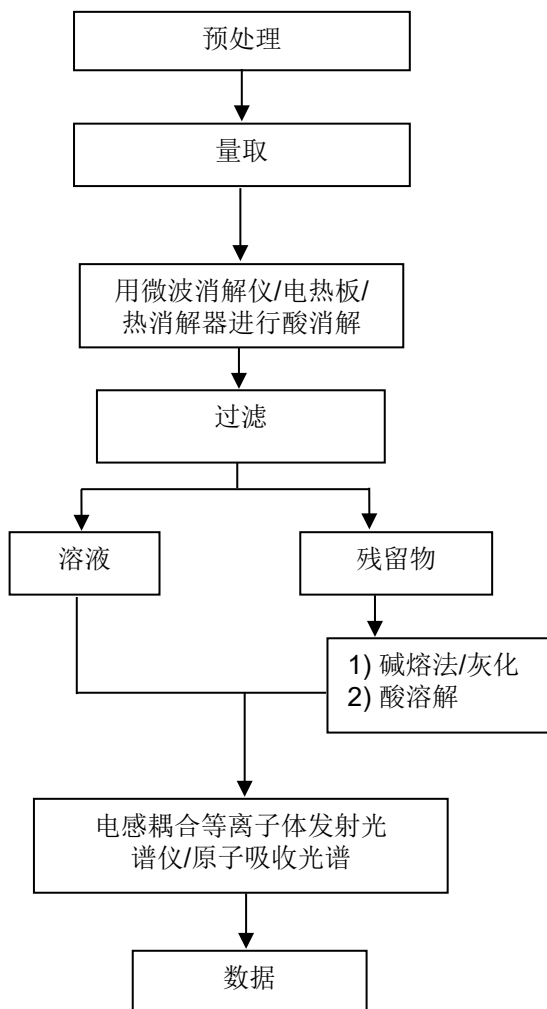
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元素检测流程图

样品按照下述流程被完全消解



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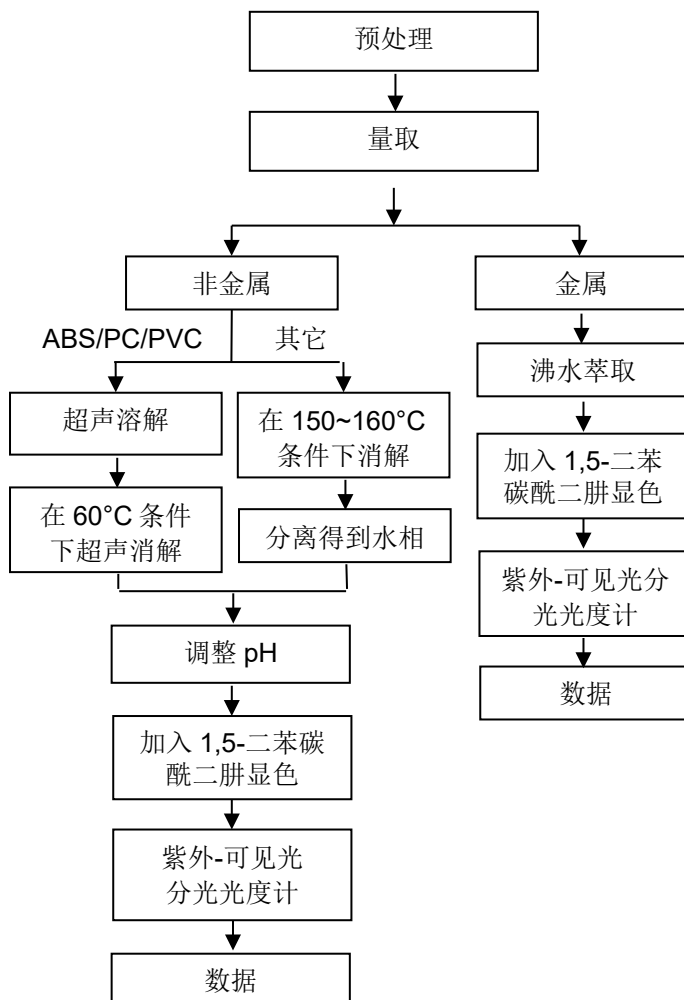
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六价铬检测流程图



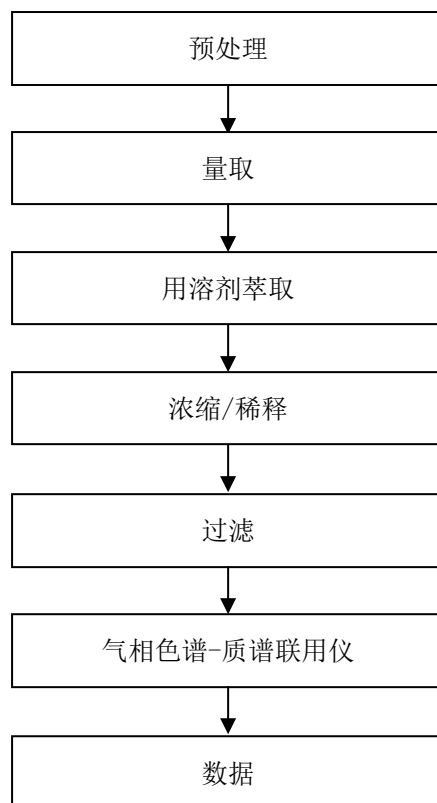
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PBB(s)/PBDE(s)/Phthalates 检测流程图

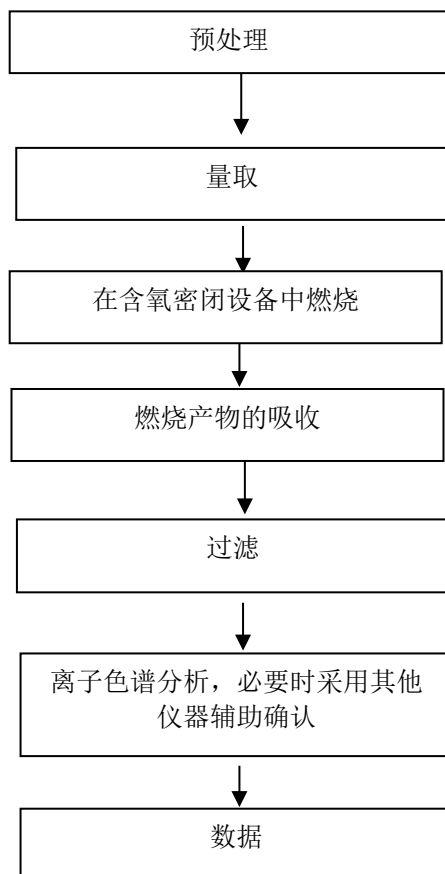


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卤素检测流程图



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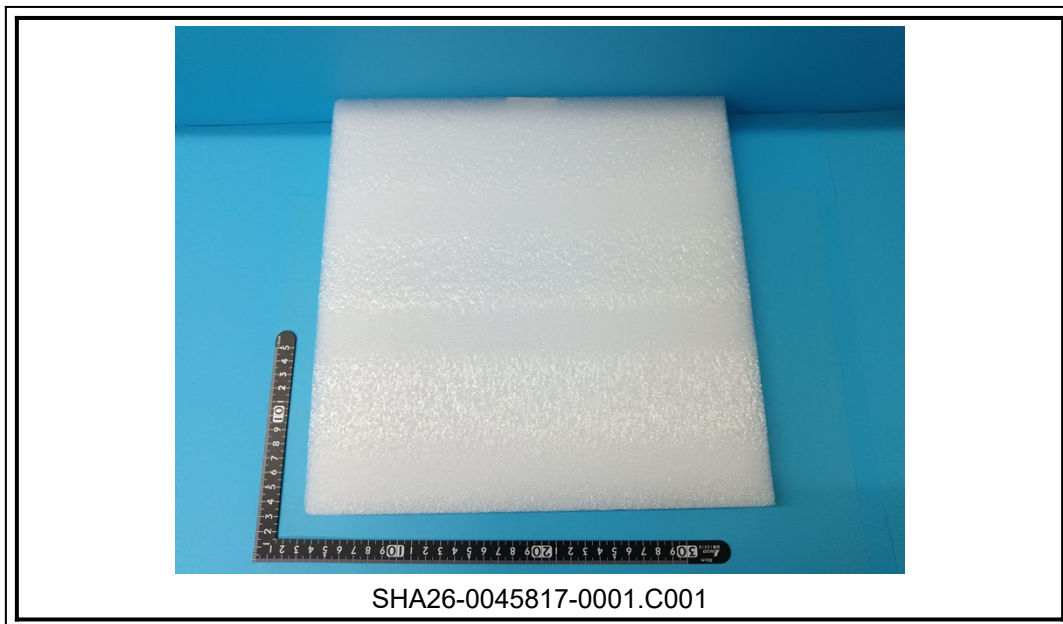
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编号: SHAEC26004581702

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