

检测报告  
Test Report报告编号 A2250507169101003E  
Report No. A2250507169101003E第 1 页 共 11 页  
Page 1 of 11报告抬头公司名称 上海大洲电子材料有限公司  
Company Name SHANGHAI DAEJOO ELECTRONIC MATERIALS CO.,LTD  
shown on Report  
地 址 上海市莘庄工业区金都路3405号  
Address NO.3405,JINDU ROAD XINZHUANG INDUSTRIAL

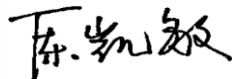
以下测试之样品及样品信息由申请者提供并确认

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

样品名称 DHC-7050R-SH  
Sample Name DHC-7050R-SH  
批号 250630-3  
Lot No. 250630-3  
材料名称/材质 Silver Paste  
Material Silver Paste  
样品接收日期 2025.07.16  
Sample Received Date Jul. 16, 2025  
样品检测日期 2025.07.16-2025.07.21  
Testing Period Jul. 16, 2025 to Jul. 21, 2025

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), 氟(F), 氯(Cl), 溴(Br), 碘(I), 六溴环十二烷(HBCDD), 全氟辛酸(PFOA), 全氟辛烷磺酸(PFOS), 邻苯二甲酸酯进行测试。

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), Arsenic (As), Beryllium (Be), Antimony (Sb), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Hexabromocyclododecane (HBCDD), Perfluorooctanoic Acid (PFOA), Perfluorooctane Sulfonates (PFOS), Phthalates 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  
Approved by  
  
陈凯敏  
实验室经理 Lab Manager日 期  
Date 2025.07.21

No. J587851800

上海市闵行区万芳路1351号

No.1351, Wanfang Road, Minhang District, Shanghai, China

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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 62321-12:2023	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-12:2023	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-12:2023	GC-MS
砷 Arsenic(As)	参考US EPA 3052:1996 & US EPA 6010D:2018* Refer to US EPA 3052:1996 & US EPA 6010D:2018*	ICP-OES
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
锑 Antimony(Sb)	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
六溴环十二烷 Hexabromocyclododecane (HBCDD)	IEC 62321-9:2021	GC-MS
全氟辛酸 Perfluorooctanoic Acid(PFOA)	CEN/TS 15968:2010*	LC-MS-MS/ LC-MS
全氟辛烷磺酸 Perfluorooctane Sulfonates(PFOS)	CEN/TS 15968:2010*	LC-MS-MS/ LC-MS

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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)
邻苯二甲酸酯 Phthalates	参考EN 14372:2004(E)* Refer to EN 14372:2004(E)*	GC-MS

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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
	003	
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
	003	
<b>多溴联苯 Polybrominated Biphenyls (PBBs)</b>		
一溴联苯 Monobromobiphenyl	N.D.	25 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	25 mg/kg
三溴联苯 Tribromobiphenyl	N.D.	25 mg/kg
四溴联苯 Tetrabromobiphenyl	N.D.	25 mg/kg
五溴联苯 Pentabromobiphenyl	N.D.	25 mg/kg
六溴联苯 Hexabromobiphenyl	N.D.	25 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	25 mg/kg
八溴联苯 Octabromobiphenyl	N.D.	25 mg/kg
九溴联苯 Nonabromobiphenyl	N.D.	25 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	25 mg/kg
测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
<b>多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)</b>		
一溴二苯醚 Monobromodiphenyl ether	N.D.	25 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	25 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	25 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	25 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	25 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	25 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	25 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	25 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	25 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	25 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
	003	
<b>邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)</b>		
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
	003	
砷 Arsenic (As)	N.D.	10 mg/kg
铍 Beryllium (Be)	N.D.	10 mg/kg
锑 Antimony (Sb)	N.D.	10 mg/kg
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
测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
六溴环十二烷 Hexabromocyclododecane (HBCDD)	N.D.	20 mg/kg
测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
全氟辛酸 Perfluorooctanoic Acid (PFOA)	N.D.	0.010 mg/kg
测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	N.D.	0.010 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
	003	
<b>邻苯二甲酸酯 Phthalates</b>		
邻苯二甲酸二正辛酯 Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	50 mg/kg
邻苯二甲酸二异壬酯 Di-isononyl phthalate (DINP) CAS#:28553-12-0, 68515-48-0	N.D.	50 mg/kg
邻苯二甲酸二异癸酯 Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0, 68515-49-1	N.D.	50 mg/kg
邻苯二甲酸二己酯 Di-n-hexyl phthalate (DNHP/DHEXP) CAS#:84-75-3	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	003	灰色固体 Grey solid

**备注:** 对于检测铅, 镉, 汞, 砷, 铍, 锑之样品已消解完全。

-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, Arsenic, Beryllium, Antimony.

-MDL = Method Detection Limit

-N.D. = Not Detected (&lt;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.

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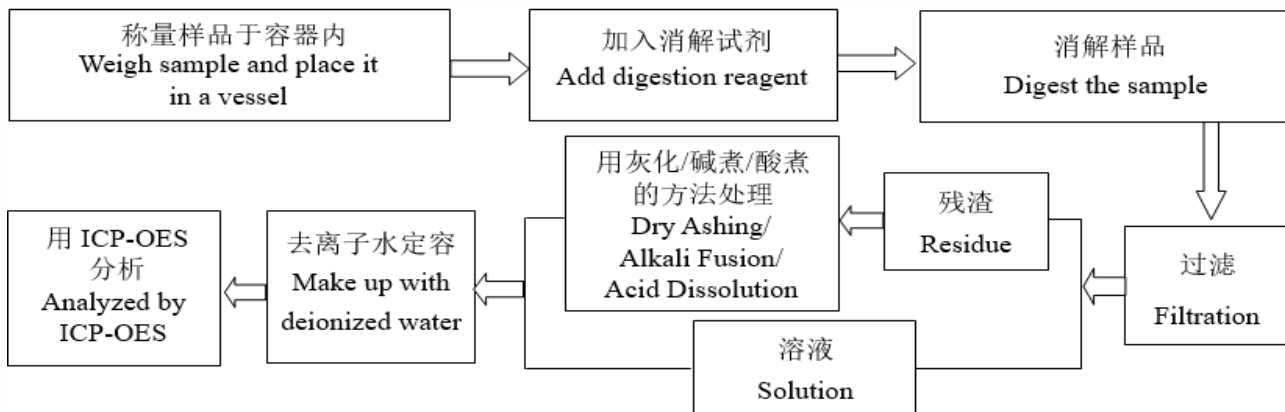
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## 检测流程 Test Process

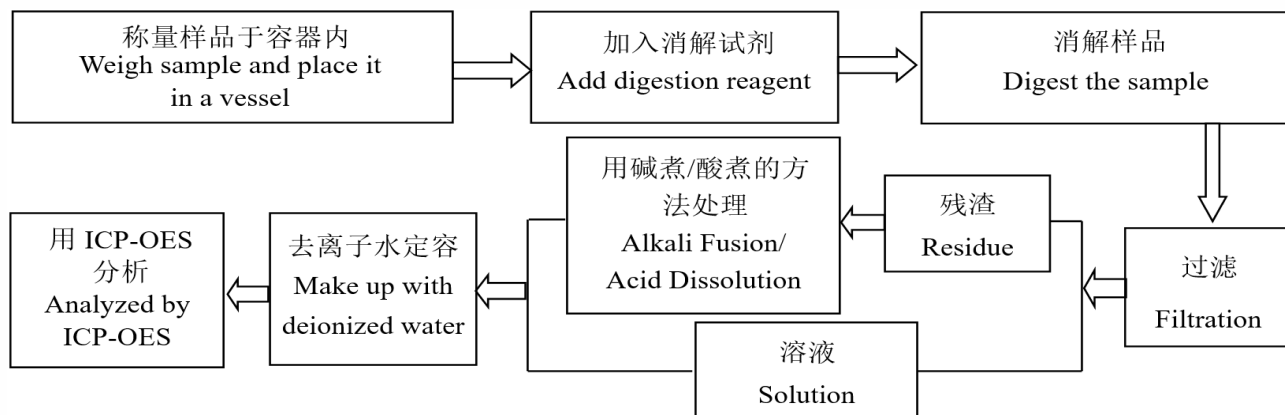
### 1. 铅(Pb), 镉(Cd), 铬(Cr)

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



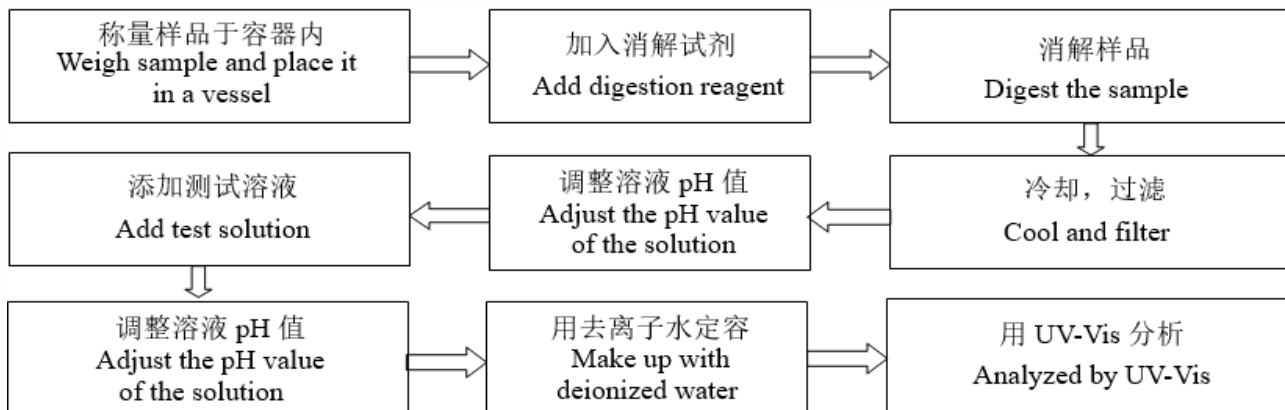
### 2. 汞(Hg)

Mercury (Hg)



### 3. 六价铬(Cr(VI))

Hexavalent Chromium (Cr(VI))



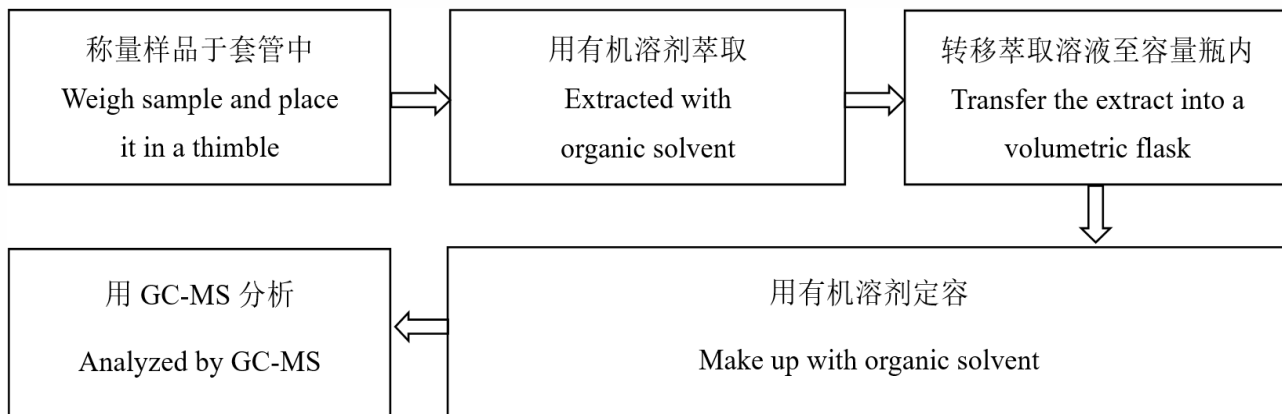
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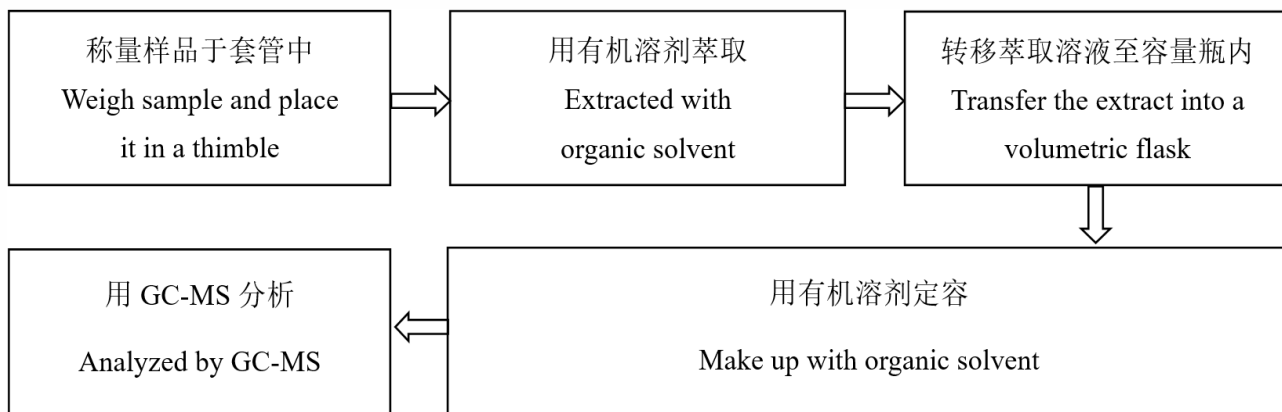
**4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)**

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



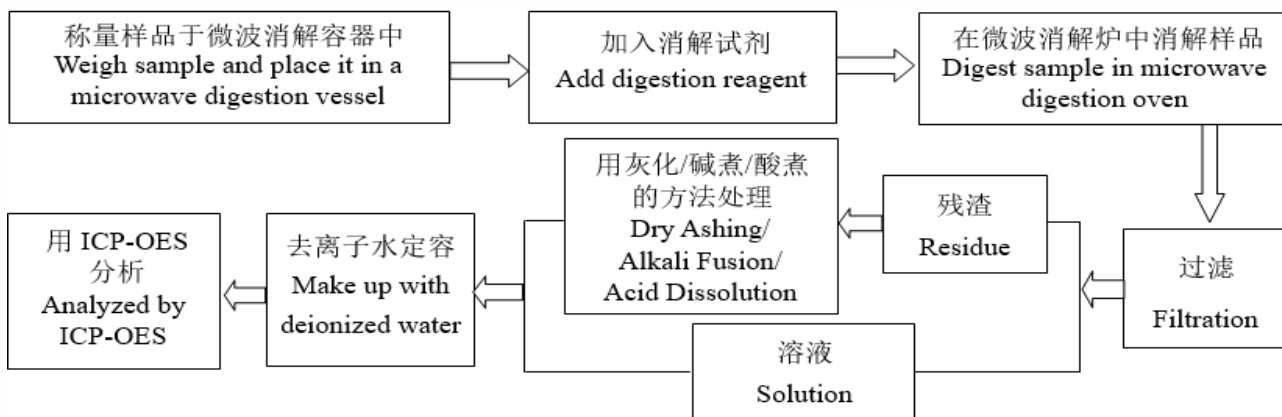
**5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)**

**Phthalates (DBP, BBP, DEHP, DIBP)**



**6. 砷(As), 铍(Be), 锑(Sb)**

**Arsenic(As), Beryllium(Be), Antimony(Sb)**





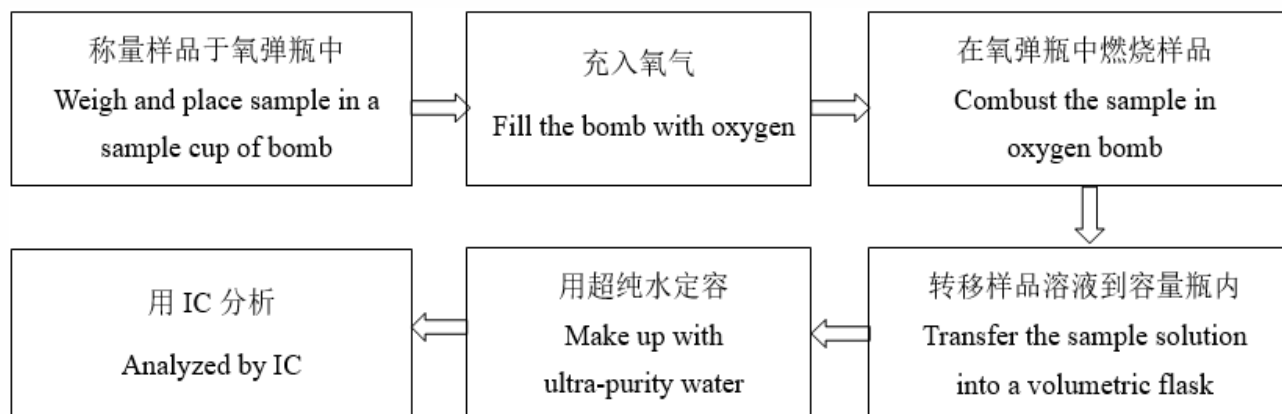
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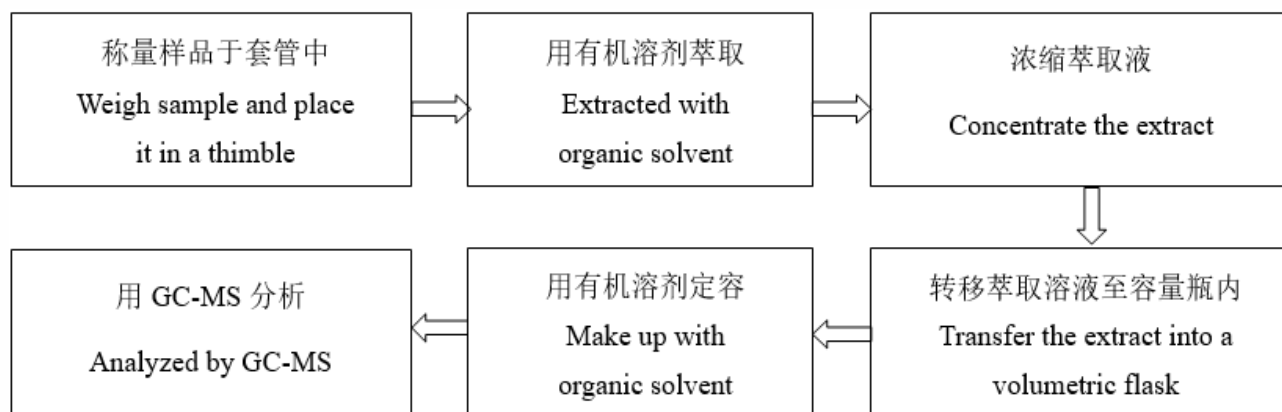
7. 氟(F), 氯(Cl), 溴(Br), 碘(I)

Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)



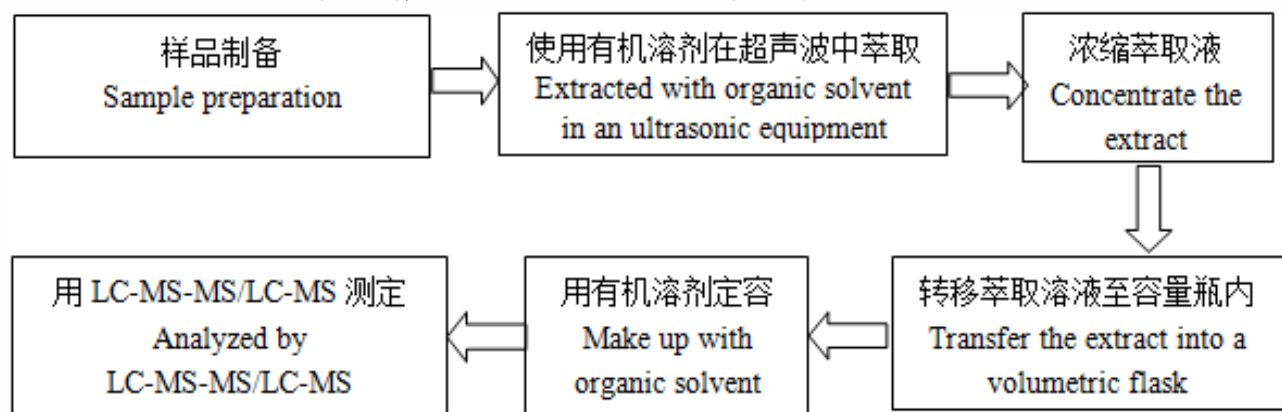
8. 六溴环十二烷(HBCDD)

Hexabromocyclododecane (HBCDD)



9. 全氟辛酸(PFOA), 全氟辛烷磺酸(PFOS)

Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS)

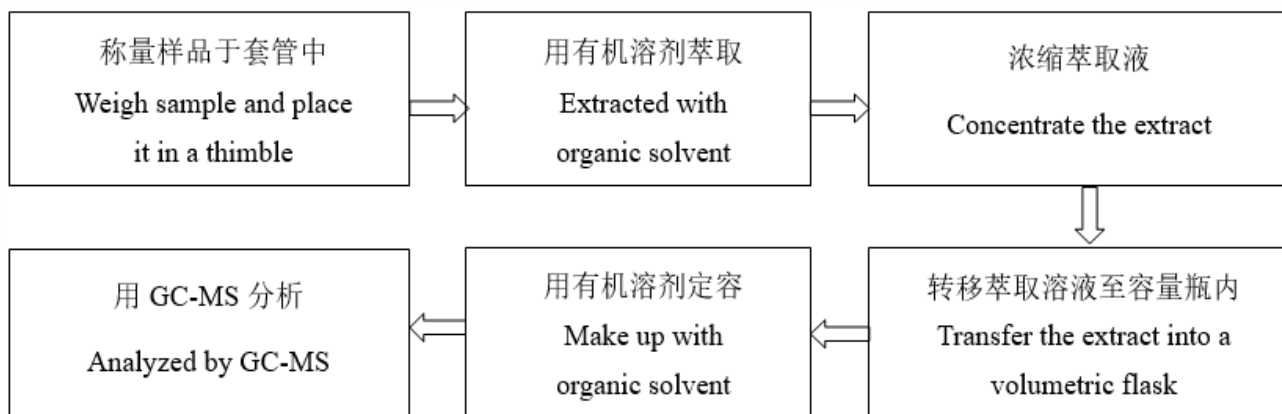


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## 10. 邻苯二甲酸酯 Phthalates



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## 样品图片 Photo(s) of the sample(s)



### 声明Statement:

1. 本报告无批准人签字、“专用章”及报告骑缝章无效;  
This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供, 申请者应对其真实性负责, CTI未核实其真实性;  
The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. 本报告检测结果仅对受测样品负责;  
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明, 报告参照ILAC-G8:09/2019 / CNAS-GL015:2022使用简单接受(w=0)二元判定规则进行符合性判定;  
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. 未经CTI书面同意, 不得部分复制本报告;  
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In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

\*\*\*报告结束\*\*\*

\*\*\* End of report \*\*\*