检测报告
Test Report

报告编号 A2260199577101001E
Report No. A2260199577101001E

报告抬头公司名称 衡所华威电子有限公司
Company Name shown on Report HYSOL HUAWEI ELECTRONICS CO., LTD.
地　　址 江苏省连云港市高新技术产业开发区振华路 8 号
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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	环氧模塑料
Sample Name	Mold Compound
样品型号	MG15F-MOD2;MG 15F-MOD2C
Model No.	MG15F-MOD2;MG 15F-MOD2C
生产日期	2026/3 月
Production Date	2026/3 月
样品接收日期	2026.03.19
Sample Received Date	Mar. 19, 2026
样品检测日期	2026.03.19-2026.03.25
Testing Period	Mar. 19, 2026 to Mar. 25, 2026

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

批　　准 Approved by 陈凯敏 实验室经理 Lab Manager

日　　期 Date 2026.03.25

No. R268852038

上海华测品标检测技术有限公司
Centre Testing International Pinbiao(Shanghai) Co., Ltd.
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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)，多环芳烃(PAHs)，六溴环十二烷(HBCDD)，中链氯化石蜡(MCCPs)，四溴双酚 A (TBBP-A)，聚氯乙烯(PVC)，砷(As)，铍(Be)，锑(Sb)，磷(P)，氟(F)，氯(Cl)，溴(Br)，碘(I)，全氟辛酸(PFOA)，全氟辛烷磺酸(PFOS)，邻苯二甲酸酯,红磷进行测试。

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), Polycyclic Aromatic Hydrocarbons (PAHs), Hexabromocyclododecane (HBCDD), Middle Chain Chlorinated Paraffins (MCCPs), Tetrabromobisphenol A (TBBP-A), Polyvinyl Chloride (PVC), Arsenic(As), Beryllium(Be), Antimony(Sb), Phosphorus(P), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS), Phthalates,Red phosphorus in the submitted sample(s).

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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

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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.

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检测依据 Test Method

测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	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
多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)	AfPS GS 2019:01 PAK	GC-MS
六溴环十二烷 Hexabromocyclododecane (HBCDD)	IEC 62321-9:2021	GC-MS
中链氯化石蜡 Middle Chain Chlorinated Paraffins (MCCPs)	参考 US EPA 3550C:2007 & US EPA 8270E:2018 Refer to US EPA 3550C:2007&US EPA 8270E:2018	GC-MS(NCI)或 GC-MS/MS GC-MS(NCI) or GC-MS/MS
四溴双酚 A Tetrabromobisphenol A (TBBP-A)	参考 US EPA 3550C:2007 & US EPA 8321B:2007 Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS/LC-MS
聚氯乙烯 Polyvinyl Chloride (PVC)	参考 JY/T 001-1996 Refer to JY/T 001-1996	FT-IR
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
磷 Phosphorus(P)	参考 US EPA 3052:1996 & US EPA 6010D:2018 Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES

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测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
氟 Fluorine (F)	BS EN 14582:2016	IC
氯 Chlorine (Cl)	BS EN 14582:2016	IC
溴 Bromine (Br)	BS EN 14582:2016	IC
碘 Iodine (I)	BS EN 14582:2016	IC
全氟辛酸 Perfluorooctanoic Acid(PFOA)	参考 EN 17681-1:2025 Refer to EN 17681-1:2025	LC-MS-MS
全氟辛烷磺酸 Perfluorooctane Sulfonates(PFOS)	参考 EN 17681-1:2025 Refer to EN 17681-1:2025	LC-MS-MS
邻苯二甲酸酯 Phthalates	IEC 62321-8:2017	GC-MS
红磷 Red phosphorus	GB/T 6040-2019, GB/T 9722-2023, GB/T 17359-2023, EPA 6010D:2018	ICP-OES, PY-GC-MS, FTIR, EM

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**
	001		
铅 Lead (Pb)CAS#:7439-92-1	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd) CAS#:7440-43-9	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg) CAS#:7439-97-6	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI)) CAS#:18540-29-9	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**
	001		
多溴联苯 Polybrominated Biphenyls (PBBs)*			
一溴联苯 Monobromobiphenyl CAS#:92-66-0	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl CAS#:92-86-4	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl CAS#:115245-07-3	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl CAS#:60044-24-8	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl CAS#:59080-39-6	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl CAS#:60044-26-0	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl CAS#:67733-52-2	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl CAS#:119264-60-7	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl CAS#:69278-62-2	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl CAS#:13654-09-6	N.D.	5 mg/kg	

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测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	001		
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)*			
一溴二苯醚 Monobromodiphenyl ether CAS#:101-55-3	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromodiphenyl ether CAS#:2050-47-7	N.D.	5 mg/kg	
三溴二苯醚 Tribromodiphenyl ether CAS#:147217-78-5	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromodiphenyl ether CAS#:5436-43-1	N.D.	5 mg/kg	
五溴二苯醚 Pentabromodiphenyl ether CAS#:60348-60-9	N.D.	5 mg/kg	
六溴二苯醚 Hexabromodiphenyl ether CAS#:68631-49-2	N.D.	5 mg/kg	
七溴二苯醚 Heptabromodiphenyl ether CAS#:207122-16-5	N.D.	5 mg/kg	
八溴二苯醚 Octabromodiphenyl ether CAS#:337513-72-1	N.D.	5 mg/kg	
九溴二苯醚 Nonabromodiphenyl ether CAS#:63387-28-0	N.D.	5 mg/kg	
十溴二苯醚 Decabromodiphenyl ether CAS#:1163-19-5	N.D.	5 mg/kg	

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

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测试项目 Tested Item(s)	结果 Result 001	方法检出限 MDL
多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)		
萘 Naphthalene CAS#:91-20-3	N.D.	0.2 mg/kg
菲 Phenanthrene CAS#:85-01-8	0.9 mg/kg	0.2 mg/kg
蒽 Anthracene CAS#:120-12-7	N.D.	0.2 mg/kg
荧蒽 Fluoranthene CAS#:206-44-0	0.2 mg/kg	0.2 mg/kg
芘 Pyrene CAS#:129-00-0	N.D.	0.2 mg/kg
䓛 Chrysene CAS#:218-01-9	N.D.	0.2 mg/kg
苯并(a)蒽 Benzo(a)anthracene CAS#:56-55-3	N.D.	0.2 mg/kg
苯并(b)荧蒽 Benzo(b)fluoranthene CAS#:205-99-2	N.D.	0.2 mg/kg
苯并(k)荧蒽 Benzo(k)fluoranthene CAS#:207-08-9	N.D.	0.2 mg/kg
苯并(j)荧蒽 Benzo(j)fluoranthene CAS#:205-82-3	N.D.	0.2 mg/kg
苯并(a)芘 Benzo(a)pyrene CAS#:50-32-8	N.D.	0.2 mg/kg
苯并(e)芘 Benzo(e)pyrene CAS#:192-97-2	N.D.	0.2 mg/kg
二苯并(a,h)蒽 Dibenzo(a,h)anthracene CAS#:53-70-3	N.D.	0.2 mg/kg
苯并(g,h,i)苝 Benzo(g,h,i)perylene CAS#:191-24-2	N.D.	0.2 mg/kg
茚并(1,2,3-cd)芘 Indenol(1,2,3-cd)pyrene CAS#:193-39-5	N.D.	0.2 mg/kg
菲,蒽,荧蒽,芘总量 Sum (Phenanthrene, Anthracene, Fluoranthene, Pyrene)	1.1 mg/kg	/
15 PAHs 总量 Sum 15 PAHs	1.1 mg/kg	/

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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)
Maximum PAHs limits (mg/kg) for the materials with relevant contact/grip and operating surfaces that are to be categorised based on the results of the risk assessment

参数 **Parameters**	一类 Category 1	二类 Category 2		三类 Category 3	
	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 Materials intended to be placed in the mouth, or materials in toys according to Directive 2009/48/EC or materials for the use by children up to 3 years of age coming into long-term contact with skin (more than 30s) during the intended use	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 Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact** with skin during the intended or foreseeable use		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 Materials not covered by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use	
		供儿童（< 14 岁）使用的产品（包括主动和被动直接接触） Use by children (< 14 years) (include both active and passive direct contact)	其他类产品 Other consumer products	供儿童（< 14 岁）使用的产品（包括主动和被动直接接触） Use by children (< 14 years) (include both active and passive direct contact)	其他类产品 Other consumer products
苯并(a)芘 Benzo(a)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(e)芘 Benzo(e)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(a)蒽 Benzo(a)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(b)荧蒽 Benzo(b)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(j)荧蒽 Benzo(j)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(k)荧蒽 Benzo(k)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
䓛Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
二苯并(a,h)蒽 Dibenz(a,h)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(g,h,i)苝 Benzo(g,h,i)perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚并(1,2,3-cd)芘 Indenol(1,2,3-cd)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1

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菲,蒽,荧蒽,芘 Phenanthrene, Anthracene, Fluoranthene, Pyrene	总量 < 1 < 1 Sum	总量 < 5 < 5 Sum	总量 < 10 < 10 Sum	总量 < 20 < 20 Sum	总量 < 50 < 50 Sum
萘 Naphthalene	< 1	< 2		< 10	
15 PAHs 总量 Sum 15 PAHs	< 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)
Definition “short-term repetitive contact” taken from REACH Annex XVII entry 50 amendment (REGULATION (EU) No.1272/2013)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
六溴环十二烷 Hexabromocyclododecane (HBCDD) CAS#: 25637-99-4; 3194-55-6; (134237-50-6); (134237-51-7); (134237-52-8)	N.D.	20 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
中链氯化石蜡 Middle Chain Chlorinated Paraffins (MCCPs) CAS#:85535-85-9	N.D.	100 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
四溴双酚 A Tetrabromobisphenol A (TBBP-A) CAS#:79-94-7	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
聚氯乙烯 Polyvinyl Chloride (PVC) CAS#: /	阴性 Negative	/

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测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
砷 Arsenic (As) CAS#:7440-38-2	N.D.	10 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	
锑 Antimony (Sb)	N.D.	10 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
磷 Phosphorus (P)	N.D.	20 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
氟 Fluorine (F) CAS#: 14762-94-8	N.D.	10 mg/kg
氯 Chlorine (Cl) CAS#: 22537-15-1	109 mg/kg	10 mg/kg
溴 Bromine (Br) CAS#: 10097-32-2	N.D.	10 mg/kg
碘 Iodine (I) CAS#: 14362-44-8	N.D.	10 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
全氟辛酸 Perfluorooctanoic Acid (PFOA) CAS#:335-67-1	N.D.	0.01 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS) CAS#:1763-23-1	N.D.	0.01 mg/kg

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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		
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-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate) (DEHP) CAS#:117-81-7	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
邻苯二甲酸二甲酯 Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	50 mg/kg
邻苯二甲酸二乙酯 Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	50 mg/kg
邻苯二甲酸二丙酯 Dipropyl phthalate (DPrP) CAS#:131-16-8	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
邻苯二甲酸二戊酯 Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0	N.D.	50 mg/kg
邻苯二甲酸二庚酯 Diheptyl phthalate (DHP) CAS#:3648-21-3	N.D.	50 mg/kg
邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	N.D.	50 mg/kg

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	001	
邻苯二甲酸酯 Phthalates		
邻苯二甲酸二异辛酯 Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	50 mg/kg
邻苯二甲酸二壬酯 Dinonyl phthalate (DNP) CAS#:84-76-4	N.D.	50 mg/kg
己二酸二异壬酯 Diisononyl adipate (DINA) CAS#:33703-08-1	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
邻苯二甲酸二(2-甲氧基)乙酯 Bis(2-methoxyethyl) phthalate (DMEP) CAS#:117-82-8	N.D.	50 mg/kg
邻苯二甲酸二异戊酯 Diisopentyl phthalate (DIPP) CAS#:605-50-5	N.D.	50 mg/kg
对苯二甲酸二辛酯 Dioctyl terephthalate (DOTP) CAS#:6422-86-2	N.D.	50 mg/kg
邻苯二甲酸二苄酯 Dibenzyl phthalate (DBzP) CAS#:523-31-9	N.D.	50 mg/kg
邻苯二甲酸二苯酯 Diphenyl phthalate (DPhP) CAS#:84-62-8	N.D.	50 mg/kg
邻苯二甲酸二烯丙酯 Diallyl phthalate (DAP) CAS#:131-17-9	N.D.	50 mg/kg
邻苯二甲酸双十一烷酯 Diundecyl phthalates (DUP) CAS#:3648-20-2	N.D.	50 mg/kg
邻苯二甲酸正戊基异戊基酯 N-Pentyl-isopentyl phthalate (NIPP) CAS#:776297-69-9	N.D.	100 mg/kg
邻苯二甲酸正辛正癸酯 Decyl octyl phthalate (nDnOP) CAS#:119-07-3	N.D.	50 mg/kg
邻苯二甲酸二癸酯 Didecyl phthalate (DnDP) CAS#:84-77-5	N.D.	50 mg/kg

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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		
己二甲酸二乙基己基酯 Di(2-ethylhexyl) Adipate (DEHA) CAS#:103-23-1	N.D.	50 mg/kg
邻苯二甲酸二异庚酯 Di-iso-heptyl-phthalates (DIHpP) CAS#:41451-28-9	N.D.	50 mg/kg
邻苯二甲酸二（4-甲基-2-戊基）酯 Bis-(4-methyl-2pentyl) phthalate (BMPP) CAS#:146-50-9	N.D.	50 mg/kg
邻苯二甲酸二正十三烷酯 Ditridecyl phthalate (DITDP) CAS#:68515-47-9	N.D.	50 mg/kg
邻苯二甲酸双十三烷酯 Ditrydecyl phthalates (DTDP) CAS#:119-06-2	N.D.	50 mg/kg
对苯二甲酸二甲酯 Dimethyl terephthalates (DMT) CAS#:120-61-6	N.D.	50 mg/kg
邻苯二甲酸二异十一烷酯 Diisoundecyl phthalate (DIUP) CAS#:96507-86-7	N.D.	50 mg/kg
*[1] 邻苯二甲酸二异十一烷酯(支型和线性结构) Diundecyl phthalate, branched and linear (DIUP) CAS#:85507-79-5	N.D.	100 mg/kg
*[1] 邻苯二甲酸烷基酯(C7-11 支型和线性结构) 1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters (DHNUP) CAS#:68515-42-4	N.D.	100 mg/kg
*[1] 邻苯二甲酸烷基酯(C6-8 支型结构,C7 富集) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) CAS#:71888-89-6	N.D.	100 mg/kg
对苯二甲酸双(2-羟基乙基)酯 Bis(hydroxyethyl) terephthalate (BHET) CAS#:959-26-2	N.D.	50 mg/kg

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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		
邻苯二甲酸丁基环己基酯 1-Butyl-2-cyclohexyl phthalate (BCyP) CAS#:84-64-0	N.D.	50 mg/kg
邻苯二甲酸丁基葵酯 Butyl decyl phthalates (BDP) CAS#:89-19-0	N.D.	50 mg/kg
邻苯二甲酸二(2-丁氧基)乙酯 Bis(2-n-butoxyethyl) phthalate (DBEP) CAS#:117-83-9	N.D.	50 mg/kg
邻苯二甲酸二(2-乙氧基)乙酯 Bis(2-ethoxyethyl) phthalate (DEEP) CAS#:605-54-9	N.D.	50 mg/kg
*[1] 支链和直链 1,2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (BADP) CAS#:84777-06-0	N.D.	100 mg/kg
*[1] 邻苯二甲酸二己酯, 直链和支链 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (NHIHP) CAS#:68515-50-4	N.D.	100 mg/kg
邻苯二甲酸丁基辛基酯 Butyl octyl phthalate (BOP) CAS#:84-78-6	N.D.	50 mg/kg
邻苯二甲酸己基（2-乙基己基）酯 Hexyl 2-ethylhexyl phthalate (HEHP) CAS#:75673-16-4	N.D.	50 mg/kg
邻苯二甲酸二（2-丙基庚）酯 Di-2-propylheptyl phthalate (DPHpP) CAS#:53306-54-0	N.D.	50 mg/kg
邻苯二甲酸二异己酯 Di-iso-hexyl-phthalates (DIHxP) CAS#:71850-09-4	N.D.	50 mg/kg

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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		
*[1] 邻苯二甲酸二（C6-C10）烷基酯：（癸基，辛基，己基）酯与 1,2-邻苯二甲酸的复合物且邻苯二甲酸二己酯含量≥ 0.3% 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate CAS#:68515-51-5; 68648-93-1	N.D.	100 mg/kg
邻苯二甲酸单丁酯 Phthalic acid,mono-n-butyl ester (MBP) CAS#:131-70-4	N.D.	50 mg/kg
1, 2-环已烷二羧酸二异壬基酯 Diisononyl hexahydrophthalate (DINCH) CAS#:166412-78-8;474919-59-0;	N.D.	50 mg/kg
乙酰柠檬酸三丁酯 Acetyl tributyl citrate (TBOA) CAS#:77-90-7	N.D.	50 mg/kg
四溴苯酐二辛酯 Di(2-ethylhexyl)tetrabrabromophthalate (TBPH) CAS#:26040-51-7	N.D.	50 mg/kg
偏苯三酸三辛酯 Trioctyl trimellitate (TOTM) CAS#:3319-31-1	N.D.	50 mg/kg
邻苯二甲酸二异丙酯 Diisoprpyl phthalate (DIPrP) CAS#:605-45-8	N.D.	50 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
红磷 Red phosphorus CAS#:/	N.D.	500 mg/kg

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样品/部位描述 Sample/Part Description

序号	CTI 样品 ID	描述
No.	CTI Sample ID	Description
1	001	深灰色固体 Dark grey solid

备注: **对于检测铅，镉，汞，砷，铍，锑，磷之样品已消解完全。**

-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%

-阴性表示不含有聚氯乙烯(PVC)

-*=表中列出的是发现适合于这个分析的典型可用的校准同类物的一个例子。

-*[1]=由于这些物质是 UVCB 物质(未知成分或可变成分的，复杂反应物或生物材料的物质)，由各种不同的成分组成，所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。

-根据客户声明，本报告“样品信息”中的多信息原因可能包含(但不限于):供给不同客户、销往不同的国家或地区、曾用名或多种物质的混合物等情况。

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

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

-Negative = Not contained Polyvinyl Chloride (PVC)

-*=Table is an example list of typically available calibartion congeners that have been found suitable for this analysis.

-*[1]=In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.

-According to the client's statement, the reasons for the multiple information in the "sample information" of this report may include (but are not limited to): supplying to different buyers, being sold to different countries or regions, former names, or mixtures of several substances.

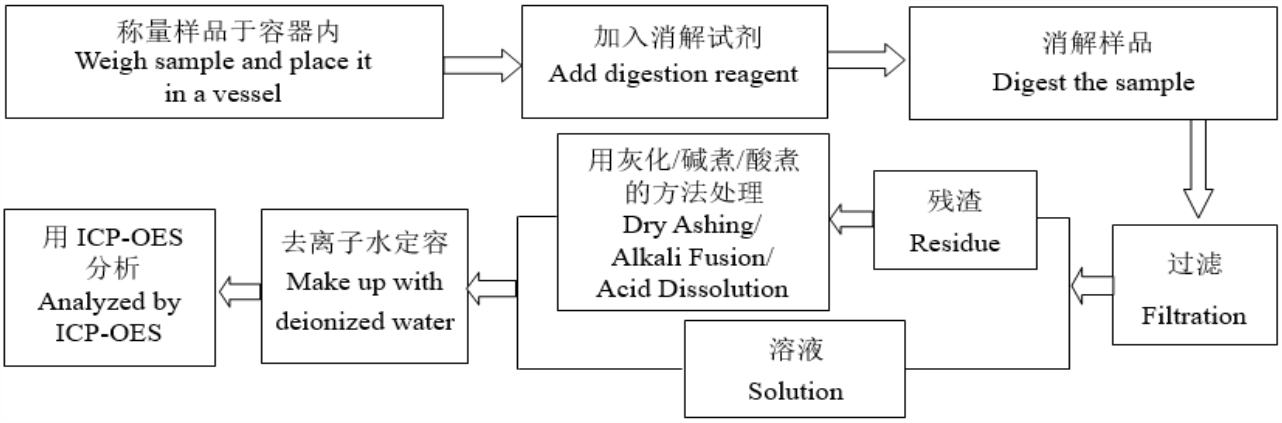
注释: **本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。**

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

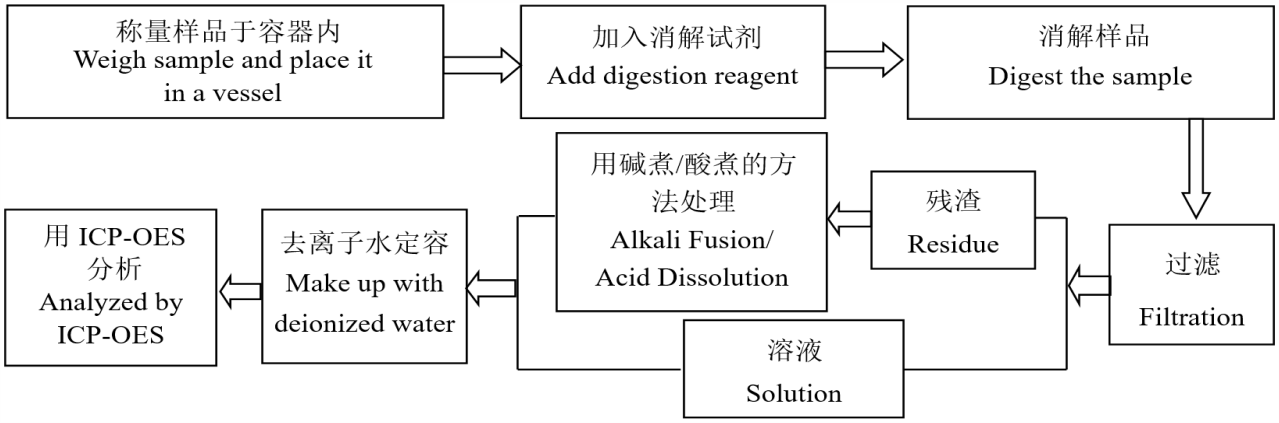
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检测流程 Test Process

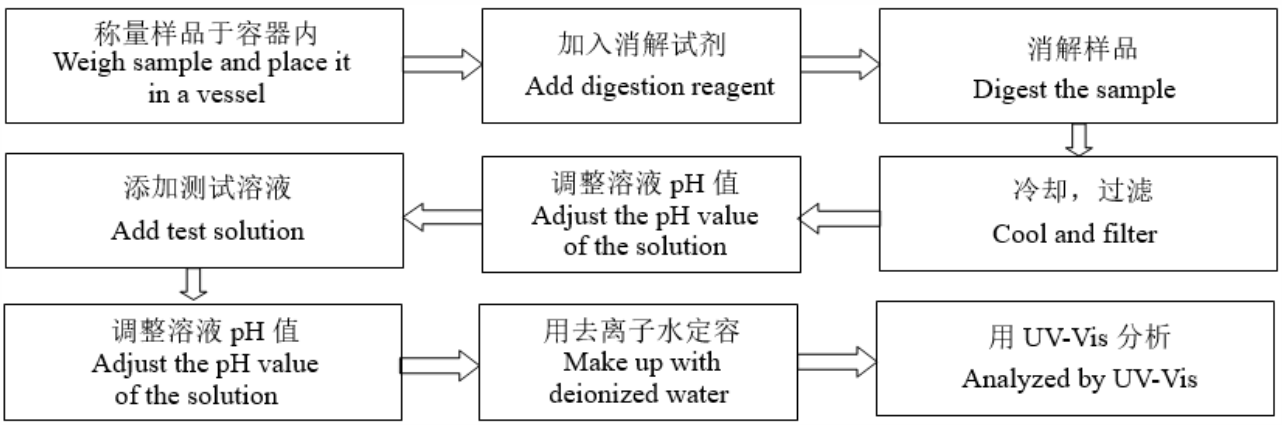
1. 铅 Lead (Pb), 镉 Cadmium (Cd), 铬 Chromium(Cr)



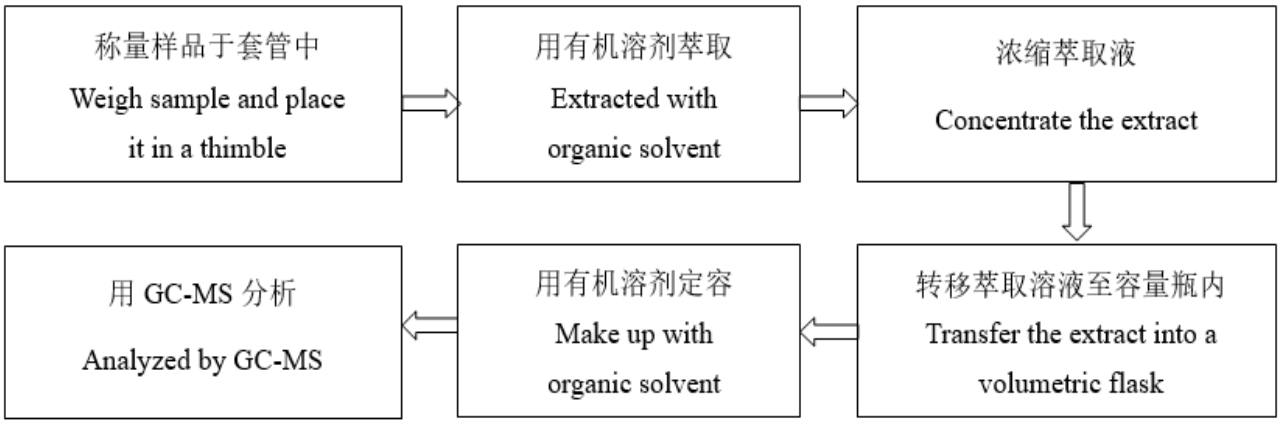
2. 汞 Mercury (Hg)



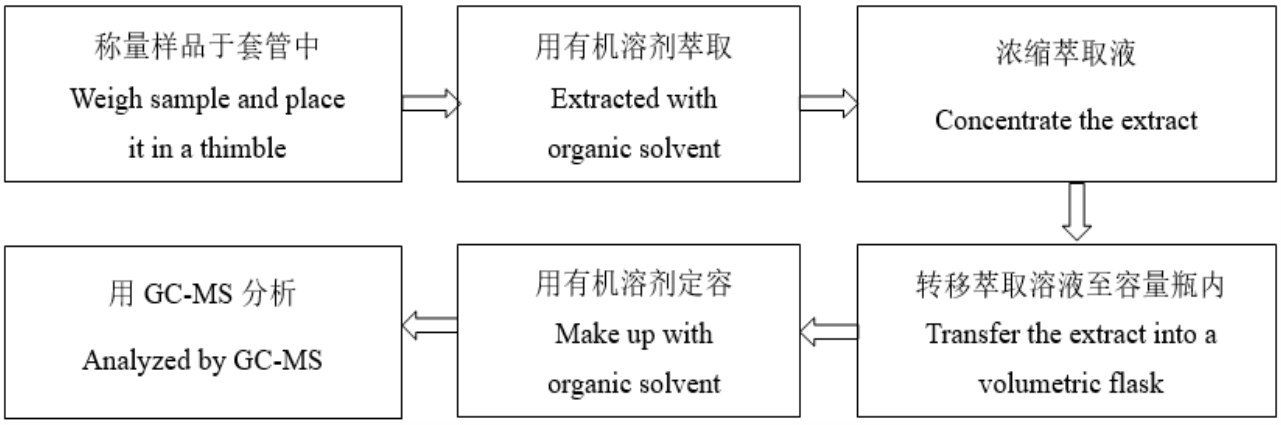
3. 六价铬 Hexavalent Chromium (Cr(VI))



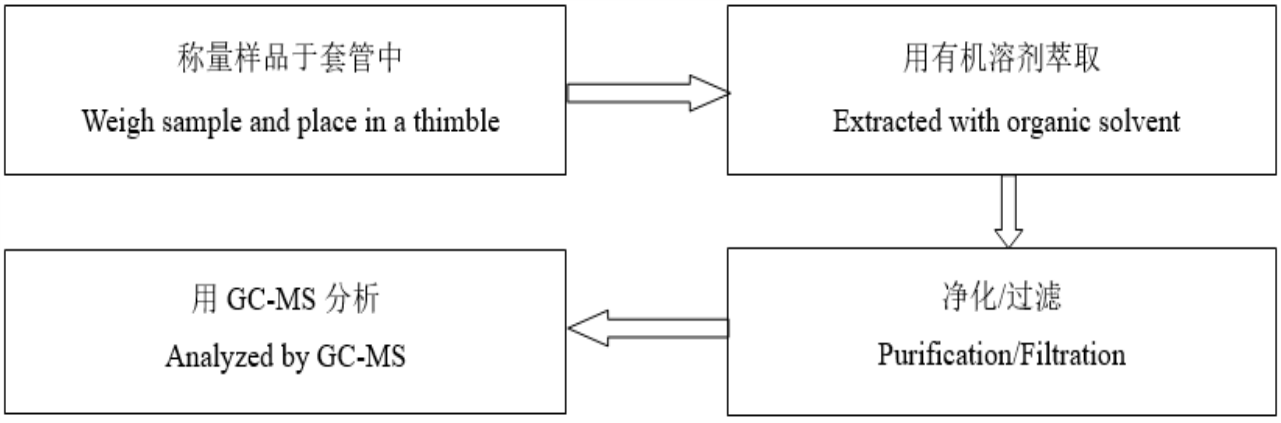
4. 多溴联苯 Polybrominated Biphenyls (PBBs), 多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)



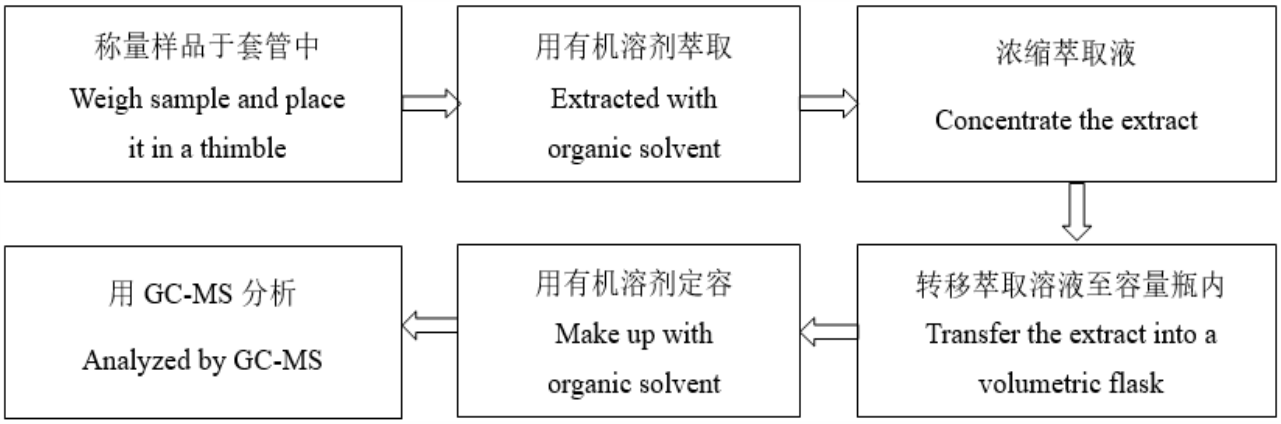
5. 邻苯二甲酸酯 Phthalates



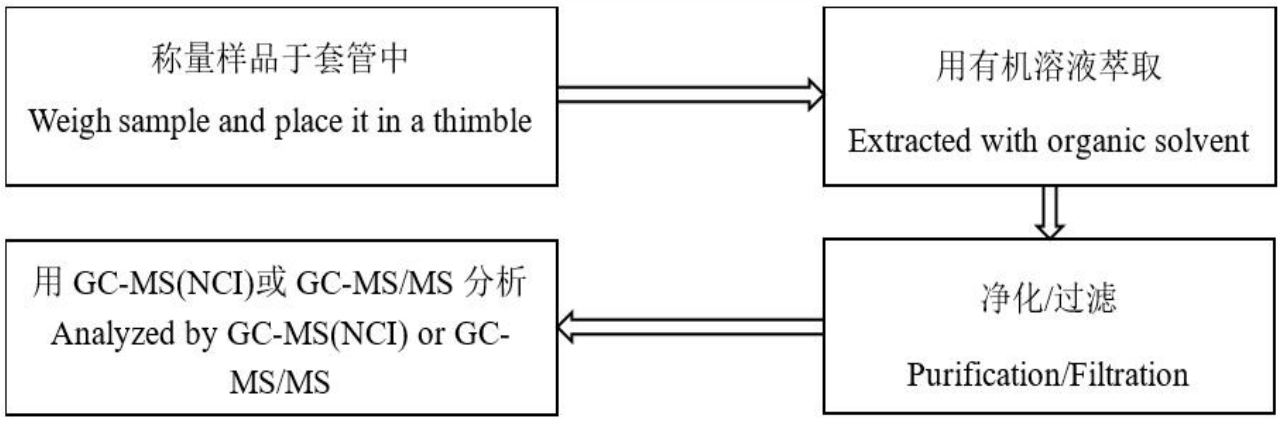
6. 多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)



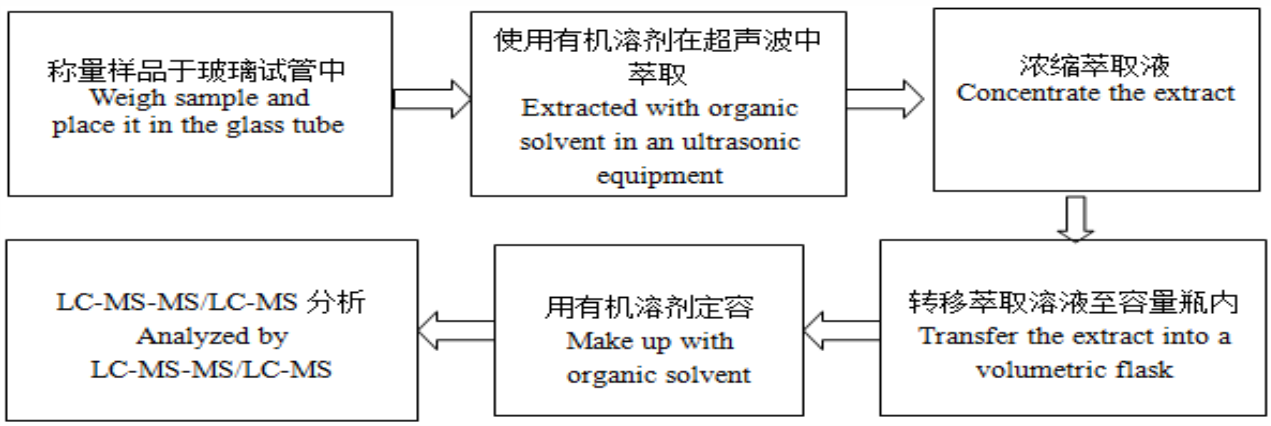
7. 六溴环十二烷 Hexabromocyclododecane (HBCDD)



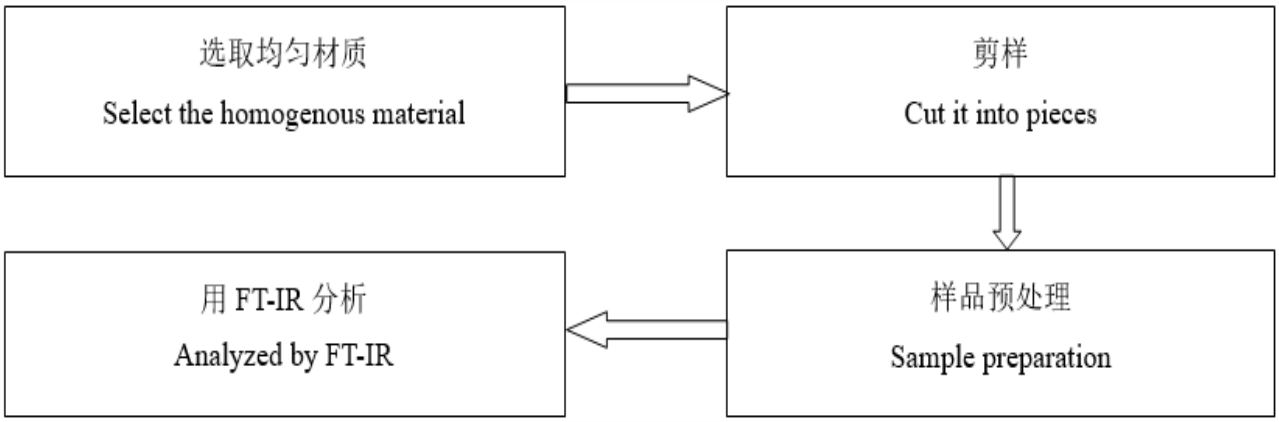
8. 中链氯化石蜡 Middle Chain Chlorinated Paraffins (MCCPs)



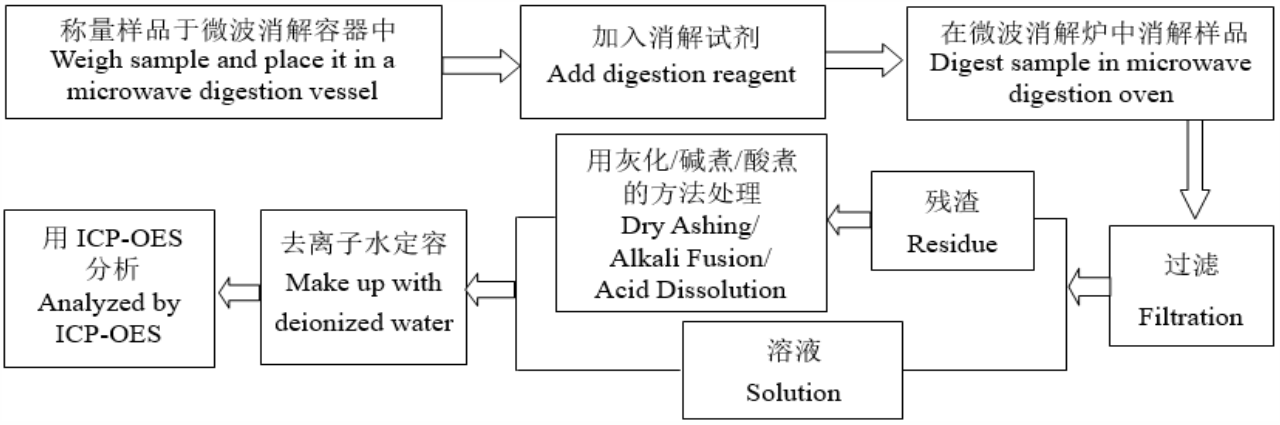
9. 四溴双酚 A Tetrabromobisphenol A (TBBP-A)



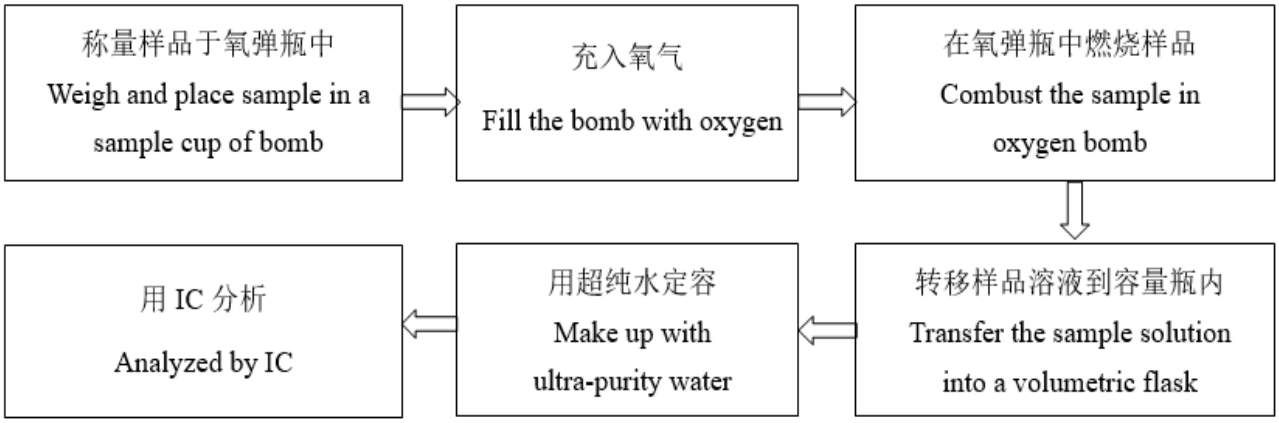
10. 聚氯乙烯 Polyvinyl Chloride (PVC)



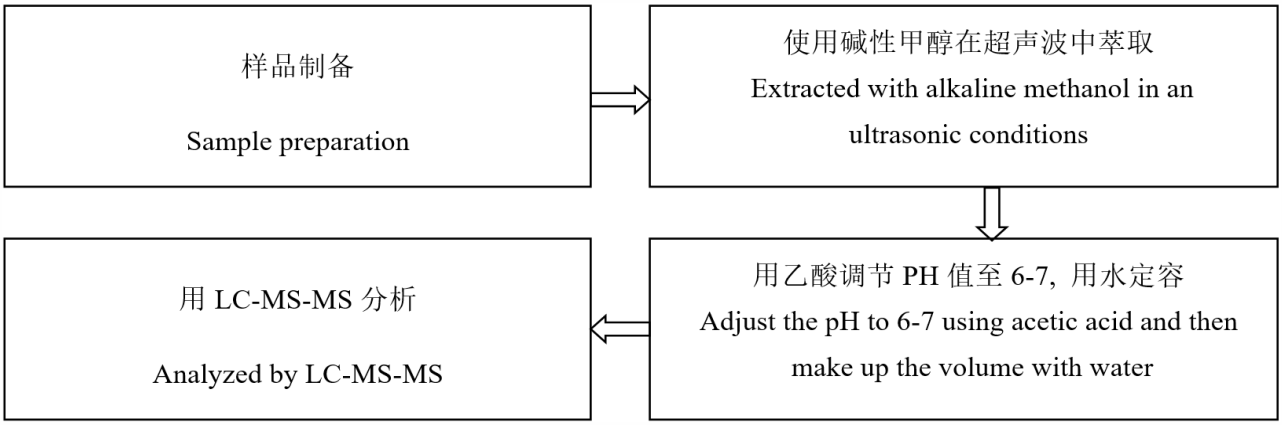
11. 砷 Arsenic(As), 铍 Beryllium(Be), 锑 Antimony(Sb), 磷 Phosphorus(P)



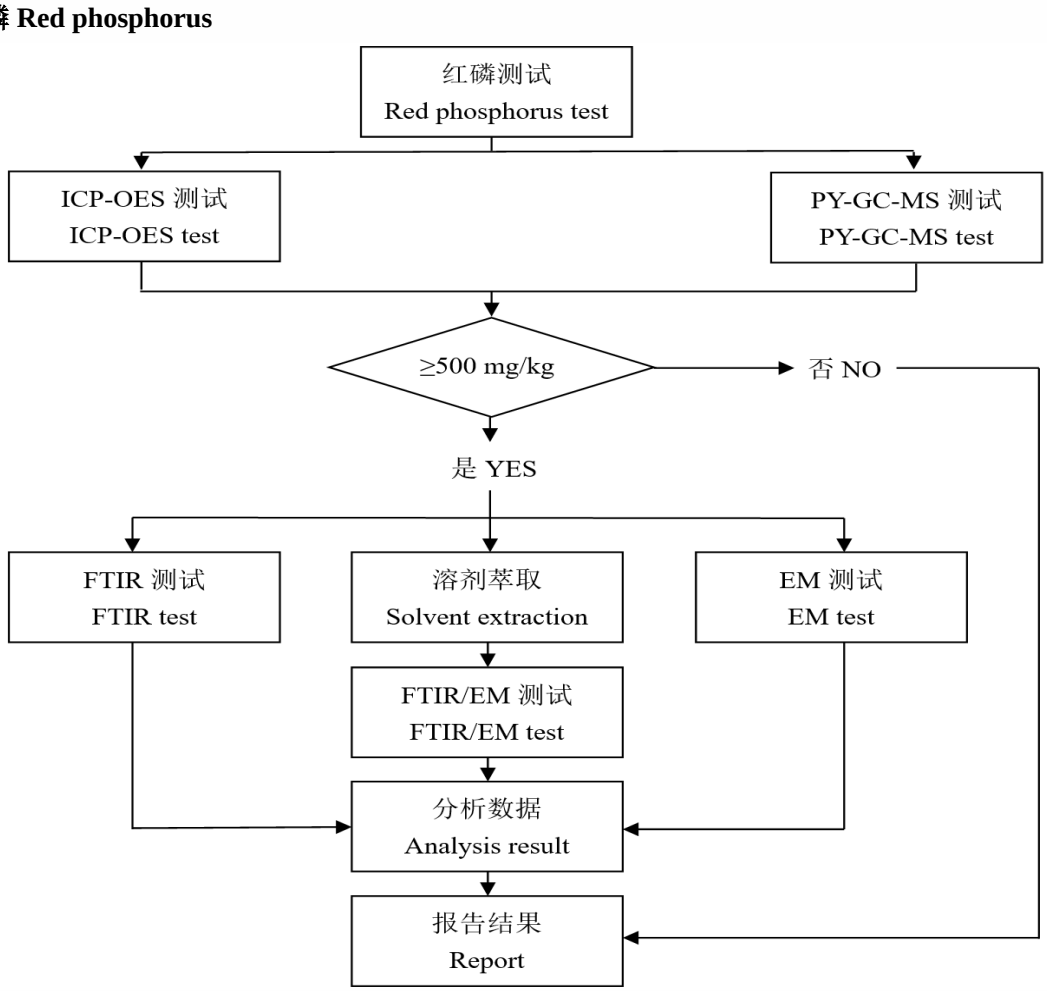
12. 氟 Fluorine (F), 氯 Chlorine (Cl), 溴 Bromine (Br), 碘 Iodine (I)



13. 全氟辛酸 (PFOA)Perfluorooctanoic Acid(PFOA), 全氟辛烷磺酸 (PFOS)Perfluorooctane Sulfonates(PFOS)



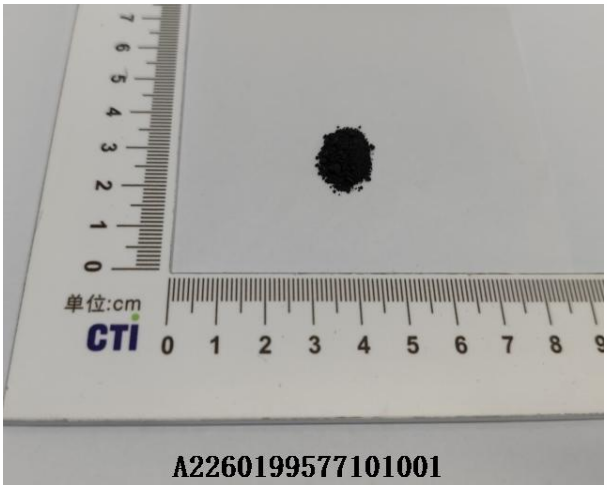
14. 红磷 Red phosphorus



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样品图片

Photo(s) of the sample(s)



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   The result(s) shown in this report refer(s) only to the sample(s) tested;
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