



检测报告

Test Report

报告编号 A224075441810200111E
Report No. A224075441810200111E

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报告抬头公司名称 广东炎墨方案科技股份有限公司
Company Name CHINA S.M MATERIALS CORPORATION
shown on Report
地 址 广东省东莞市茶山镇兴韩路 9 号
Address NO.9 XINGHAN ROAD, CHASHAN TOWN, DONGGUAN CITY, GUANGDONG PROVINCE, CHINA

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	SR-500/CA-66 绿色 HF 油墨(HG18)
Sample Name	SR-500/CA-66 Green(HF)ink(HG18)
样品颜色	绿色
Color	Green
样品状态	烘烤后
Sample status	After drying
制造商	鹤山市炎墨科技有限公司
Manufacturer	China(Heshan)S.M Materials Corporation
制造商地址	广东省鹤山市鹤城镇富强路 83 号
Manufacturer's Address	No. 83 Fuqiang Road, Hecheng Town, Heshan City, Guangdong Province, China
样品接收日期	2024.12.03
Sample Received Date	Dec. 3, 2024
样品检测日期	2024.12.03-2024.12.12
Testing Period	Dec. 3, 2024 to Dec. 12, 2024

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

郑晴涛

日期

2024.12.20

Approved by

Date

郑晴涛

技术经理 Technical Manager

No. R179754620

华测检测认证集团股份有限公司

广东省深圳市宝安区新安街道兴东社区华测检测大楼

Centre Testing International Group Co.,Ltd.

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第 1 部分 Part 1 检测要求

1.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), 砷(As), 铍(Be), 锑(Sb), 氟(F), 氯(Cl), 溴(Br), 碘(I), 六溴环十二烷(HBCDD), 短链氯化石蜡(SCCPs), 富马酸二甲酯(DMF), 有机锡, 聚氯乙烯(PVC), 四溴双酚 A (TBBP-A), 中链氯化石蜡(MCCPs), 全氟辛酸(PFOA), 全氟辛烷磺酸(PFOS), 邻苯二甲酸酯, 多氯联苯(PCBs), 双酚 A (BPA)进行测试。
2.根据客户要求, 对所提交样品中的三氧化二锑(Sb₂O₃)进行筛选测试。

Test Requested

1.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), Arsenic(As), Beryllium(Be), Antimony(Sb), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Hexabromocyclododecane (HBCDD), Short Chain Chlorinated Paraffins (SCCPs), Dimethyl fumarate (DMF), Organotin compounds, Polyvinyl Chloride (PVC), Tetrabromobisphenol A (TBBP-A), Middle Chain Chlorinated Paraffins (MCCPs), Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS), Phthalates, Polychlorinated Biphenyls(PCBs), Bisphenol A (BPA) in the submitted sample(s).
2. As specified by client, to screen Antimony trioxide (Sb₂O₃) in the submitted sample(s).

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.

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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	UV-Vis
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)	参考 US EPA 3540C:1996 & US EPA 8270E:2018 Refer to US EPA 3540C:1996 & US EPA 8270E:2018	GC-MS
短链氯化石蜡 Short Chain Chlorinated Paraffins (SCCPs)	参考 US EPA 3540C:1996 & US EPA 8270E:2018 Refer to US EPA 3540C:1996 & US EPA 8270E:2018	GC-MS(NCI)
富马酸二甲酯 Dimethyl fumarate (DMF)	参考 US EPA 3550C:2007 & US EPA 8270E:2018 Refer to US EPA 3550C:2007 & US EPA 8270E:2018	GC-MS
有机锡 Organotin compounds	参考 US EPA 3550C:2007 & ISO 17353:2004 Refer to US EPA 3550C:2007 & ISO 17353:2004	GC-MS

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测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
三氧化二锑 Antimony trioxide (Sb ₂ O ₃) ^{#1}	参考 US EPA 3052:1996 & US EPA 6010D:2018 Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
聚氯乙烯 Polyvinyl Chloride (PVC) ^{#1}	参考 JY/T 001-1996 Refer to JY/T 001-1996	FT-IR
中链氯化石蜡 Middle Chain Chlorinated Paraffins (MCCPs)	参考 US EPA 3540C:1996 & US EPA 8270E:2018 Refer to US EPA 3540C:1996 & US EPA 8270E:2018	GC-MS(NCI)
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
全氟辛酸 Perfluorooctanoic Acid(PFOA) ^{#1}	CEN/TS 15968:2010	LC-MS-MS
全氟辛烷磺酸 Perfluorooctane Sulfonates(PFOS) ^{#1}	CEN/TS 15968:2010	LC-MS-MS
邻苯二甲酸酯 Phthalates	参考 EN 14372:2004(E) Refer to EN 14372:2004(E)	GC-MS
多氯联苯 Polychlorinated Biphenyls(PCBs) ^{#1}	参考 US EPA 3550C:2007 & US EPA 8270E:2018 Refer to US EPA 3550C:2007 & US EPA 8270E:2018	GC-MS
双酚 A Bisphenol A (BPA)	参考 US EPA 3550C:2007 & US EPA 8321B:2007 Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-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	限值 Limit
	001		
铅 Lead (Pb)	N.D.	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
	001		
多溴联苯 Polybrominated Biphenyls (PBBs)			
一溴联苯 Monobromobiphenyl	N.D.	25 mg/kg	1000 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	限值 Limit
	001		
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)			
一溴二苯醚 Monobromodiphenyl ether	N.D.	25 mg/kg	1000 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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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

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
砷 Arsenic (As)	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.	2 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
锑 Antimony (Sb)	N.D.	5 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)	324 mg/kg	10 mg/kg
溴 Bromine (Br)	N.D.	10 mg/kg
碘 Iodine (I)	N.D.	10 mg/kg

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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)	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
短链氯化石蜡 Short Chain Chlorinated Paraffins (SCCPs)	N.D.	100 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
富马酸二甲酯 Dimethyl fumarate (DMF)	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
有机锡 Organotin compounds		
二丁基锡 Dibutyltin (DBT)	N.D.	5 mg/kg
三丁基锡 Tributyltin (TBT)	N.D.	5 mg/kg
二辛基锡 Dioctyltin (DOT)	N.D.	5 mg/kg
三辛基锡 Trioctyltin (TOT)	N.D.	5 mg/kg
三苯基锡 Triphenyltin (TPHT)	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
三氧化二锑 Antimony trioxide (Sb ₂ O ₃) ^{#/#1}	N.D.	6 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) ^{#1}	阴性 Negative	/

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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)	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)	N.D.	5 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) #1	N.D.	0.010 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) #1	N.D.	0.010 mg/kg

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.	30 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	30 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	30 mg/kg
邻苯二甲酸二正辛酯 Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	30 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

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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 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸二乙酯 Diethyl phthalate (DEP) CAS#:84-66-2 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸二丙酯 Dipropyl phthalate (DPrP) CAS#:131-16-8 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸二戊酯 Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP) CAS#:84-61-7 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸二异辛酯 Diisooctyl phthalate (DIOP) CAS#:27554-26-3 ^{#1}	N.D.	50 mg/kg
邻苯二甲酸二壬酯 Dinonyl phthalate (DNP) CAS#:84-76-4 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸二己酯 Di-n-hexyl phthalate (DNHP/DHEXP) CAS#:84-75-3 ^{#1}	N.D.	30 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.	30 mg/kg
邻苯二甲酸二异戊酯 Diisopentylphthalate (DIPP) CAS#:605-50-5 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸双十一烷酯 Diundecyl phthalates (DUP) CAS#:3648-20-2 ^{#1}	N.D.	30 mg/kg
邻苯二甲酸正戊基异戊基酯 N-Pentyl-isopentyl phthalate (NIPP) CAS#:776297-69-9 ^{#1}	N.D.	30 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.	50 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.	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 ^{#1}	N.D.	50 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 ^{#1}	N.D.	50 mg/kg
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 ^{#1}	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	
多氯联苯(PCBs)Polychlorinated Biphenyls(PCBs) #1		
一氯联苯 Monochlorobiphenyl	N.D.	5 mg/kg
二氯联苯 Dichlorobiphenyl	N.D.	5 mg/kg
三氯联苯 Trichlorobiphenyl	N.D.	5 mg/kg
四氯联苯 Tetrachlorobiphenyl	N.D.	5 mg/kg
五氯联苯 Pentachlorobiphenyl	N.D.	5 mg/kg
六氯联苯 Hexachlorobiphenyl	N.D.	5 mg/kg
七氯联苯 Heptachlorobiphenyl	N.D.	5 mg/kg
八氯联苯 Octachlorobiphenyl	N.D.	5 mg/kg
九氯联苯 Nonachlorobiphenyl	N.D.	5 mg/kg
十氯联苯 Decachlorobiphenyl	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
双酚 A Bisphenol A (BPA)	N.D.	1.0 mg/kg

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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

-1000 mg/kg = 0.1%

-^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。

-阴性表示不含有聚氯乙烯(PVC)

-# = 该项目的检测结果由其特征元素的测试结果换算而来。

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

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

-^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.

-Negative = Not Contained Polyvinyl Chloride(PVC)

-# = The test result of the item is converted from the test result of certain element.

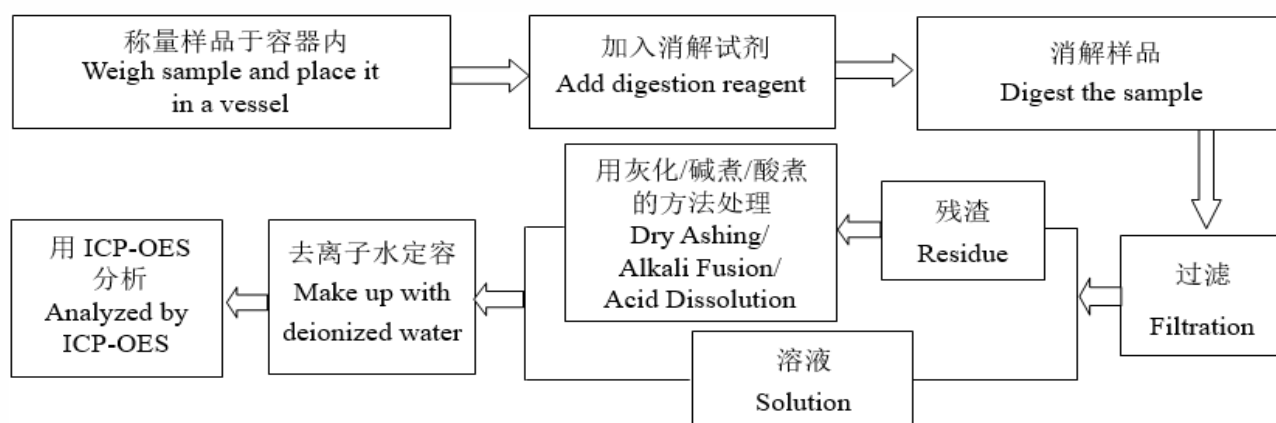
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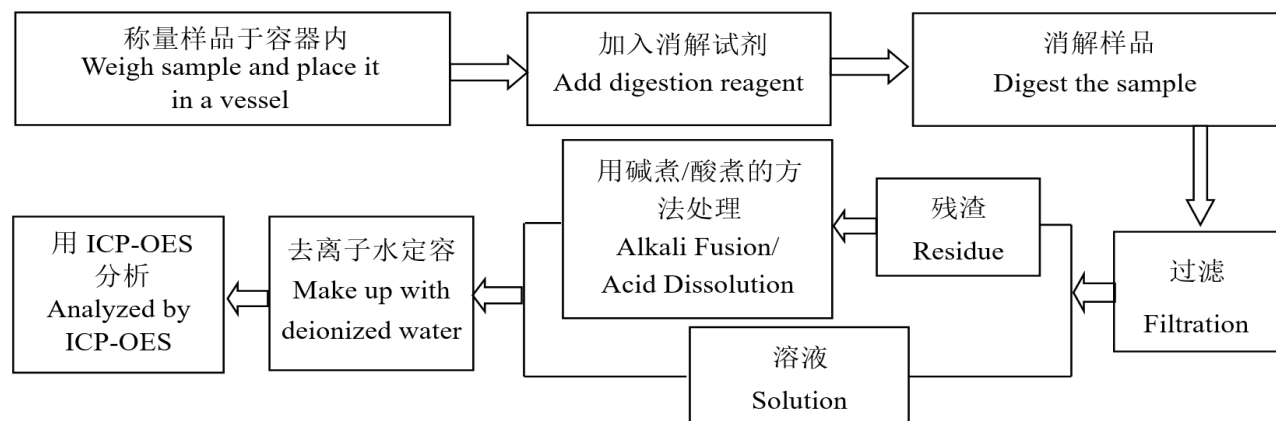
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检测流程 Test Process

1. 铅 Lead (Pb), 镉 Cadmium (Cd)

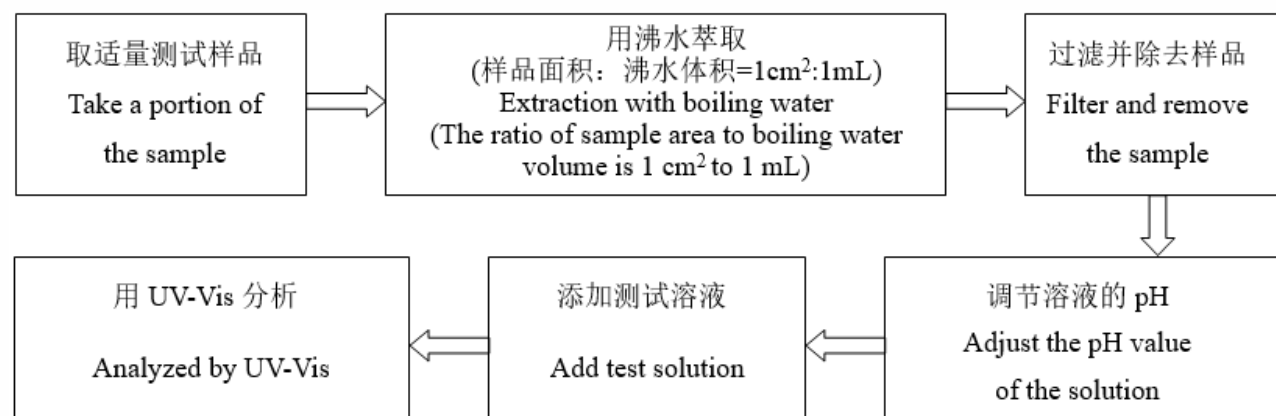


2. 汞 Mercury (Hg)



3. 六价铬 Hexavalent Chromium (Cr(VI))

(1) IEC 62321-7-1:2015

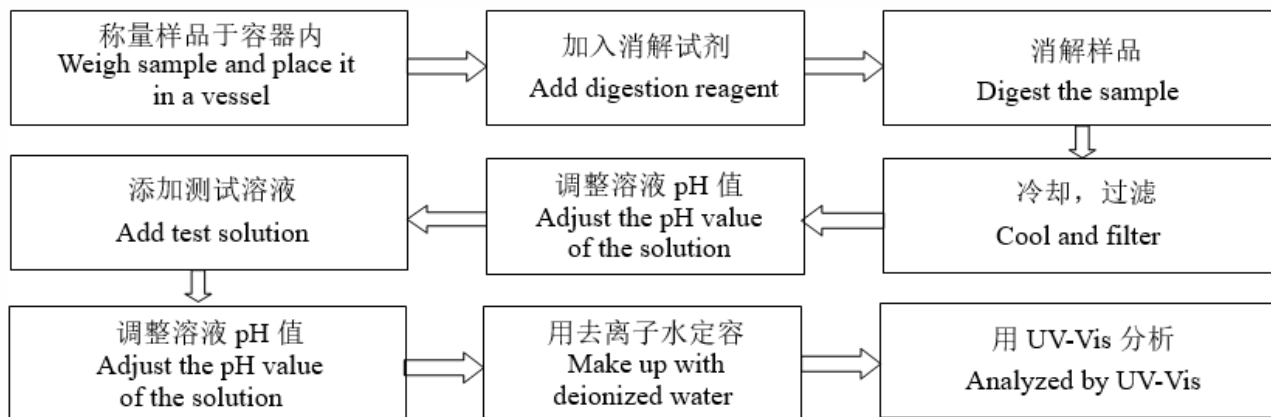


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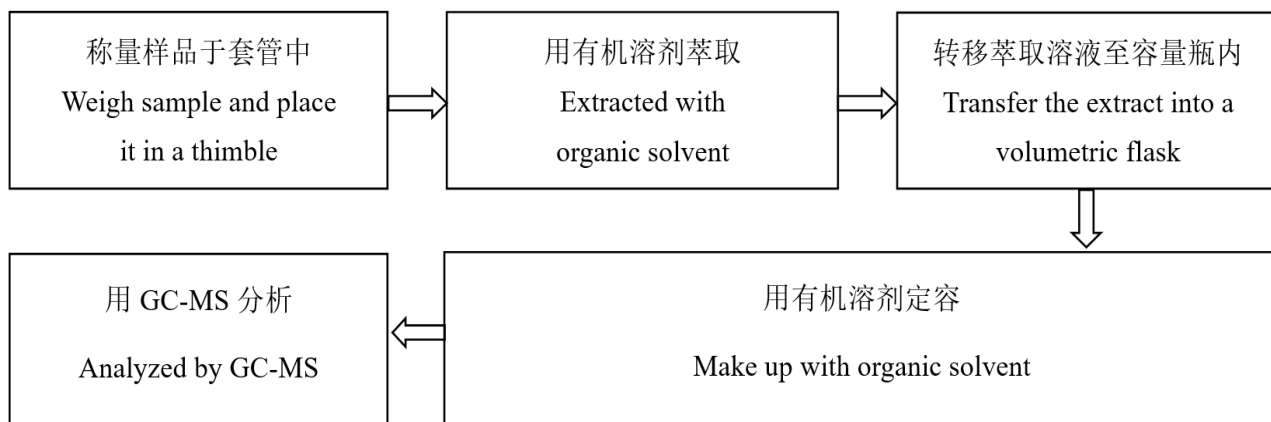
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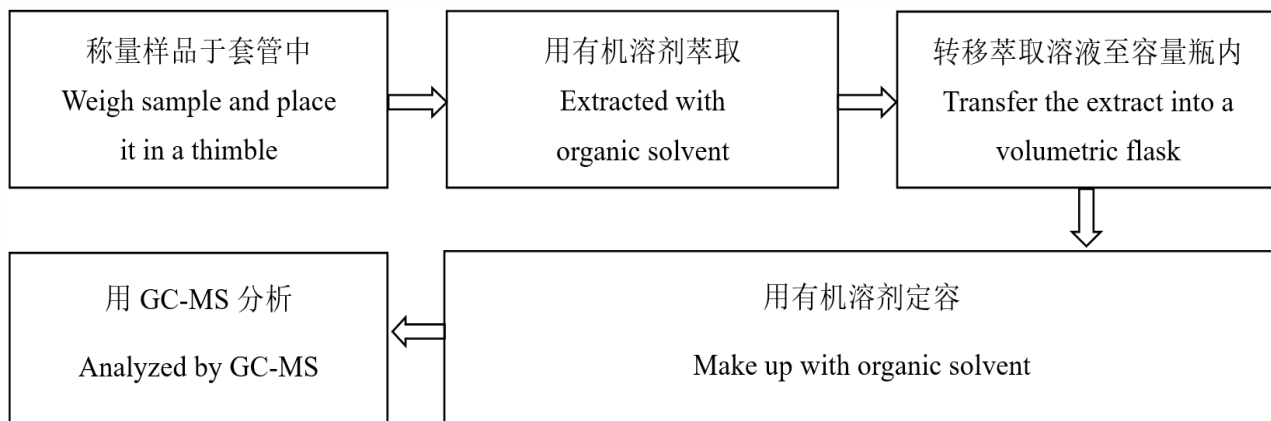
(2) IEC 62321-7-2:2017



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 (DBP, BBP, DEHP, DIBP)

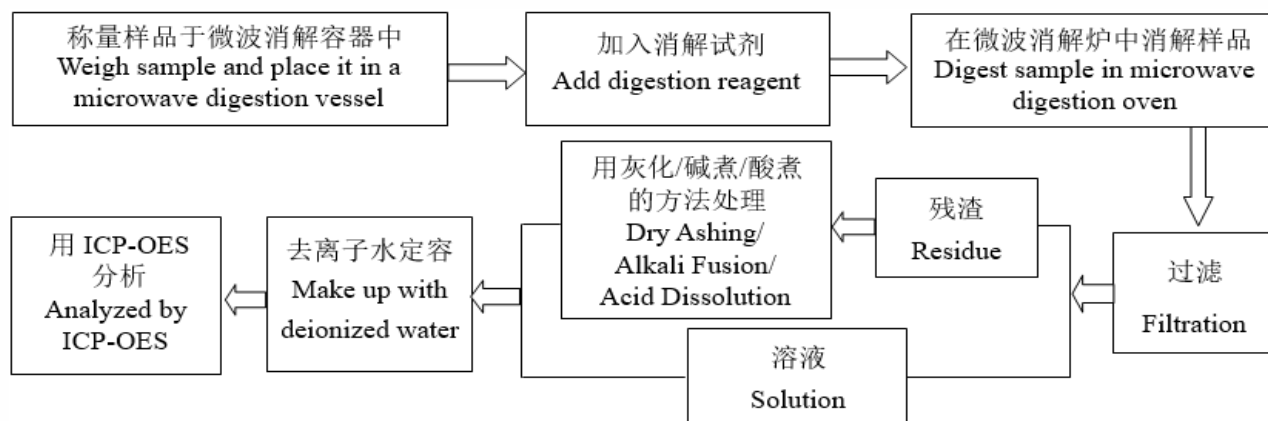


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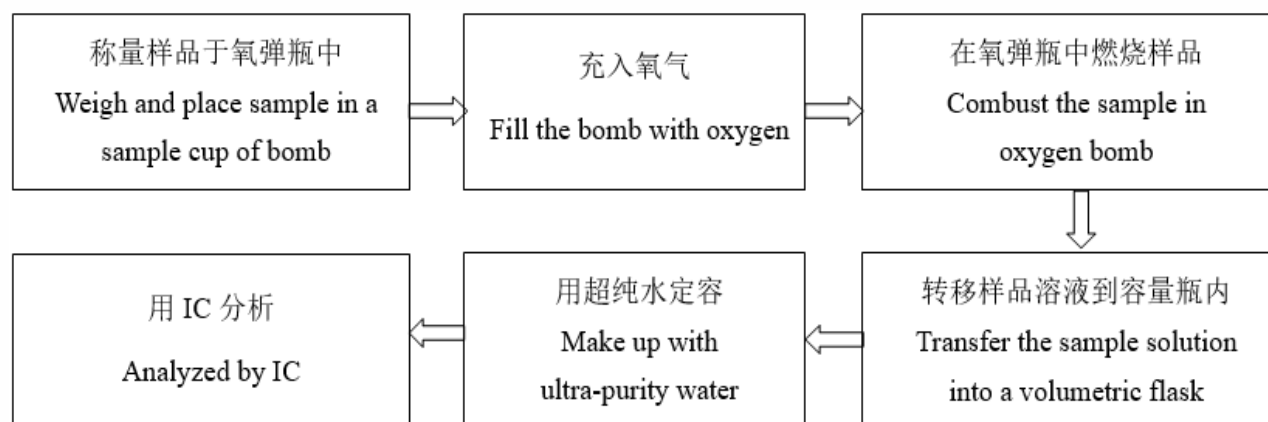
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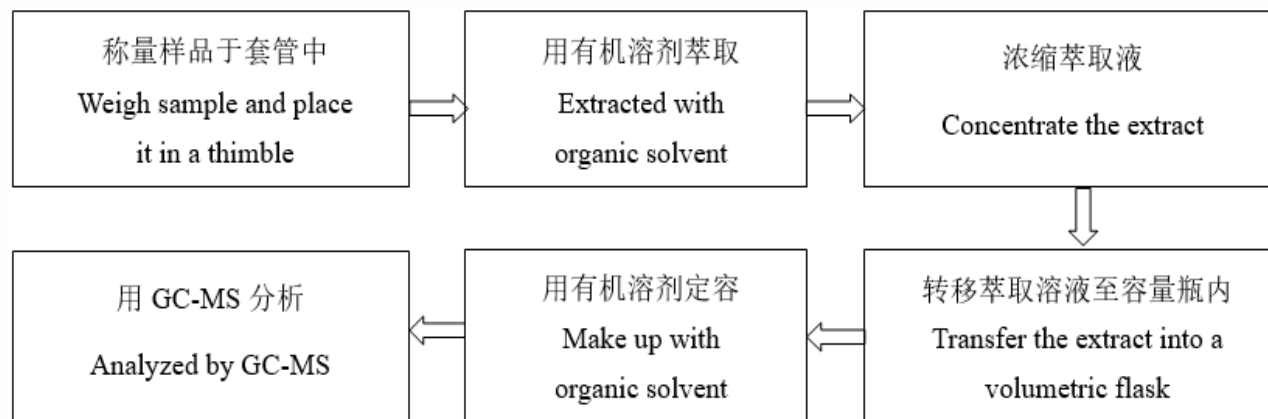
6. 砷 Arsenic(As), 铍 Beryllium(Be), 锑 Antimony(Sb), 三氧化二锑 Antimony trioxide (Sb_2O_3)



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



8. 六溴环十二烷 Hexabromocyclododecane (HBCDD)

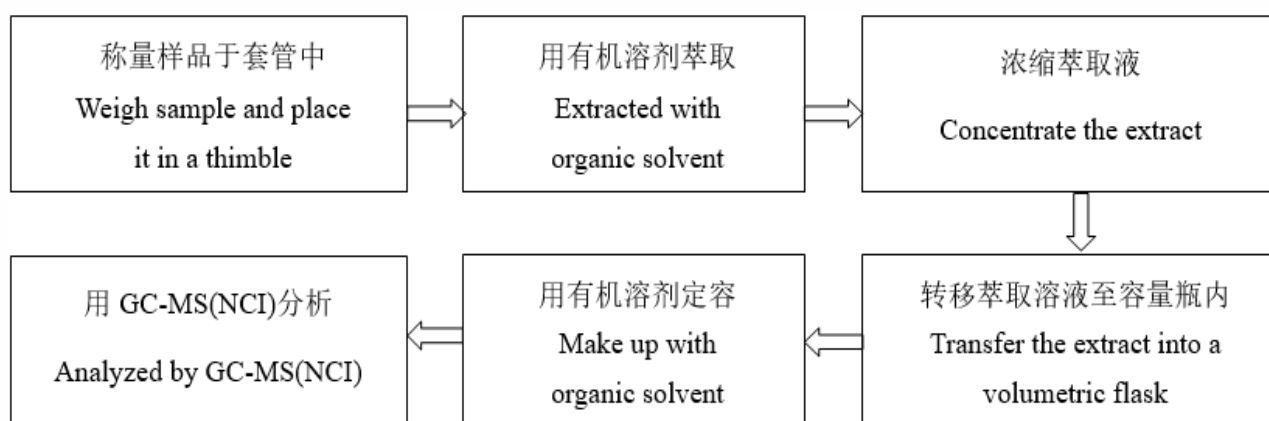


检测报告 Test Report

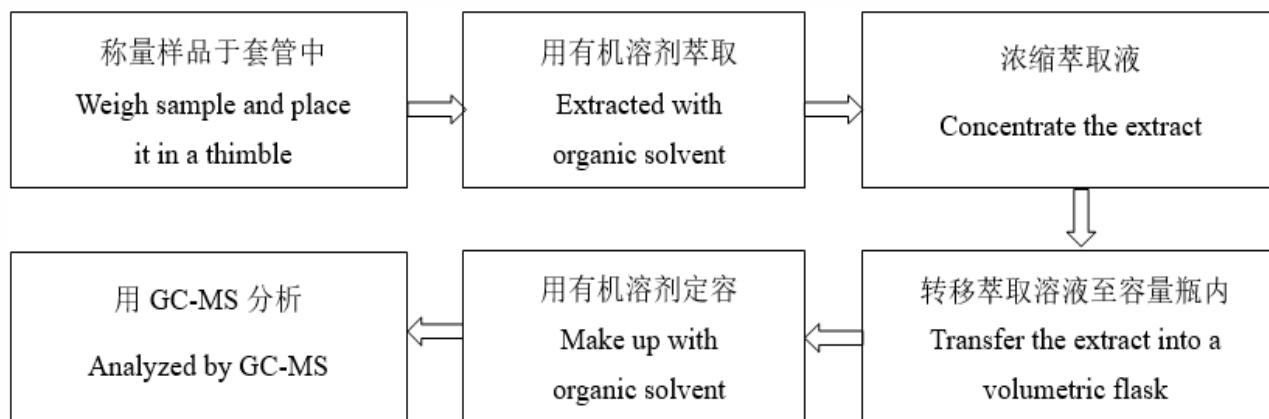
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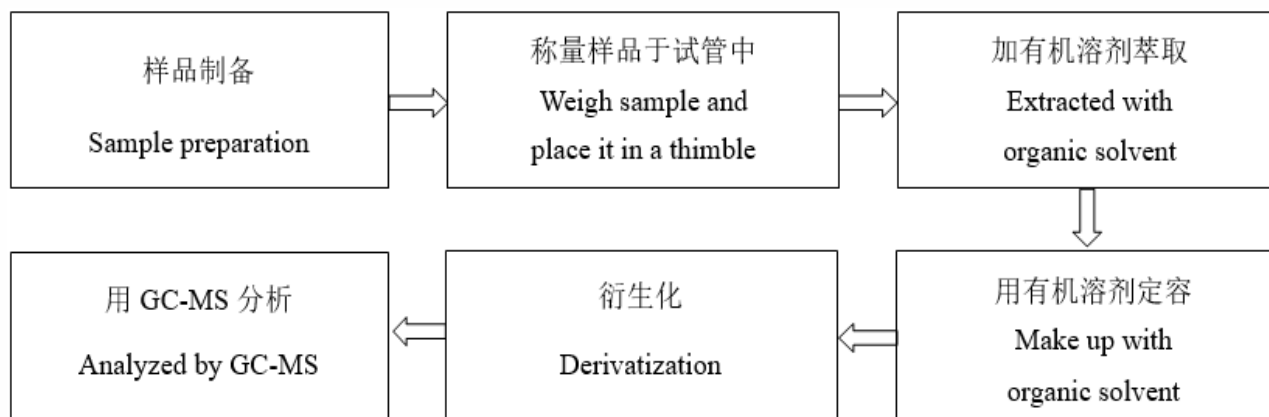
9. 短链氯化石蜡 Short Chain Chlorinated Paraffins (SCCPs), 中链氯化石蜡 Middle Chain Chlorinated Paraffins (MCCPs)



10. 富马酸二甲酯 Dimethyl fumarate (DMF)



11. 有机锡 Organotin compounds

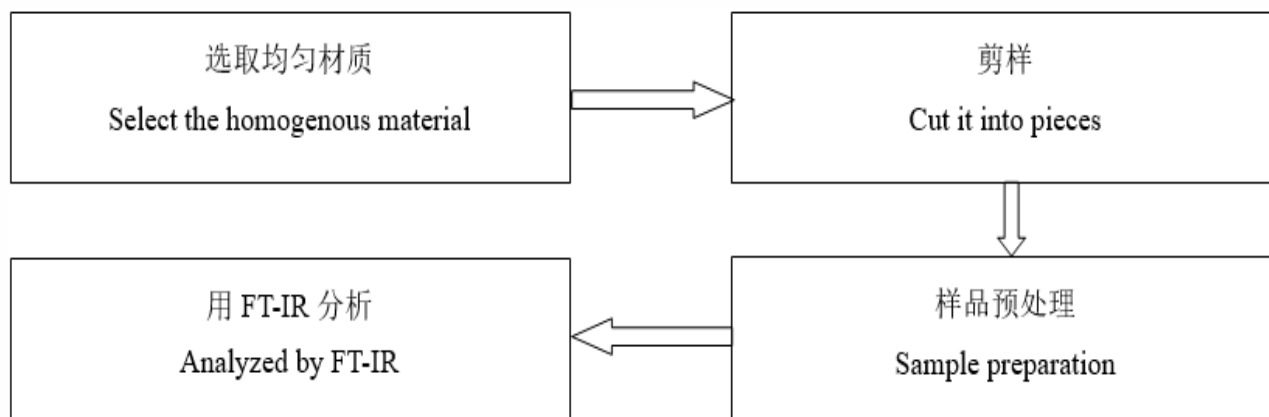


检测报告 Test Report

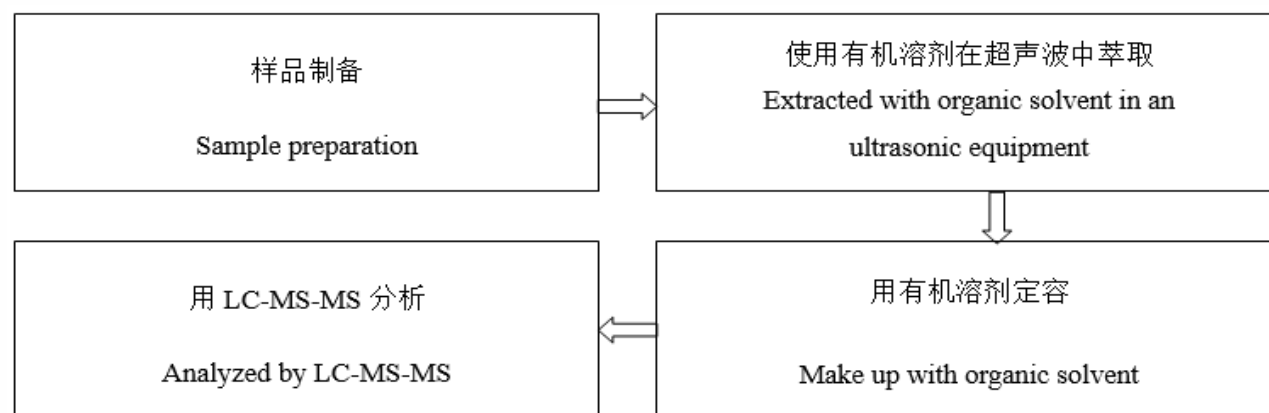
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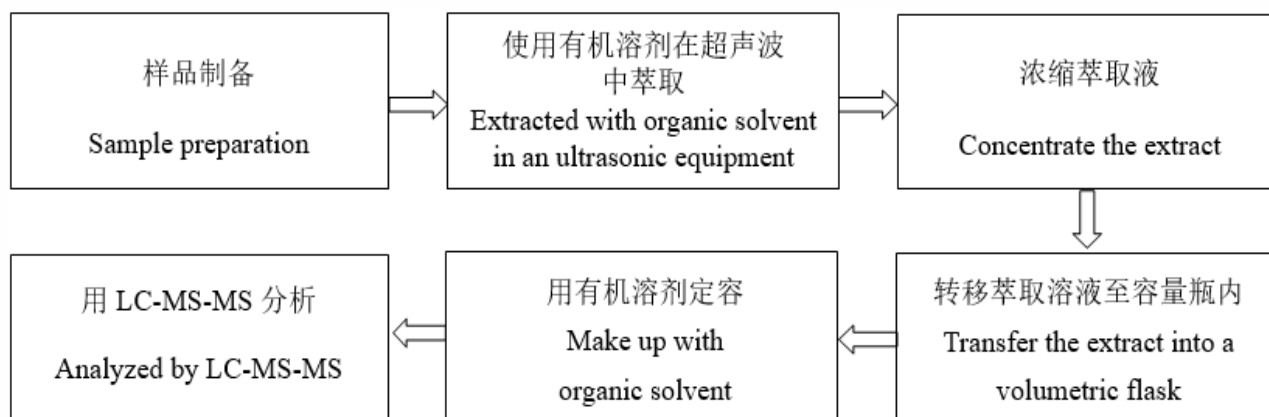
12. 聚氯乙烯 Polyvinyl Chloride (PVC)



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



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

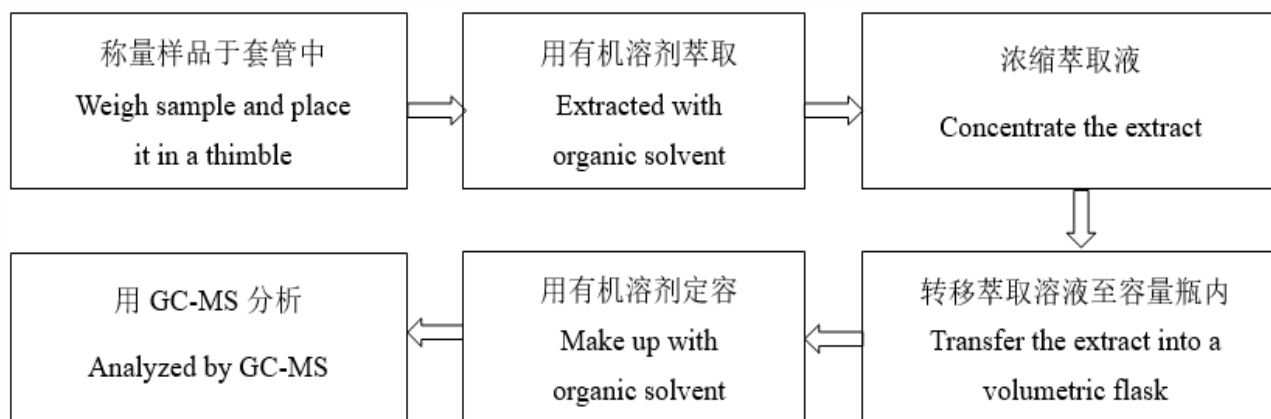


检测报告 Test Report

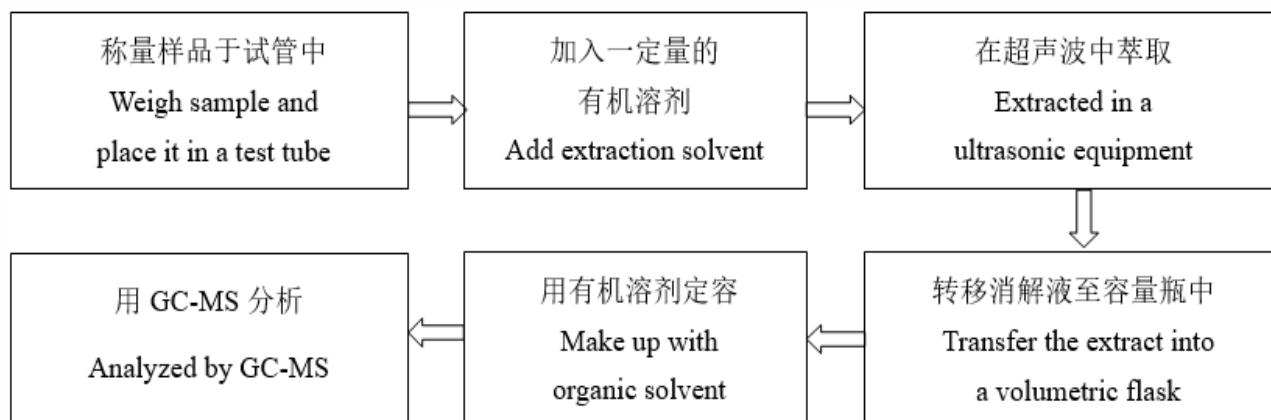
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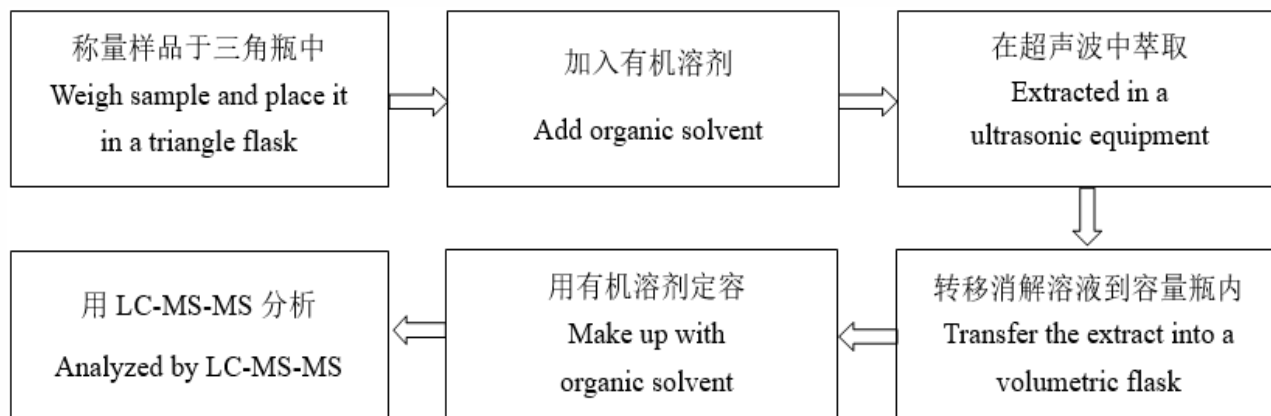
15. 邻苯二甲酸酯 Phthalates



16. 多氯联苯 Polychlorinated Biphenyls(PCBs)



17. 双酚 A Bisphenol A (BPA)



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第 2 部分 Part 2 检测要求

根据客户要求, 参照法规(EC) No 1907/2006(REACH), 对所提交样品中 1 种高关注物质(SVHC)进行筛选测试。

Test Requested

As specified by client, to screen the 1 substance of very high concern (SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

摘要

根据分析结果, 所提交样品中 1 种 SVHC 浓度 $\leq 0.1\%$ (w/w)。

Summary

According to the analytical results, concentration of 1 SVHC is $\leq 0.1\%$ (w/w) in the submitted sample(s).

检测结果 Test Result(s)

物质名称 Substance Name(s)	CAS 号 CAS No.	浓度 Concentration (%)	RL (%)
		001	
二氧化钴 Cobalt dichloride ^{#1/#2}	7646-79-9	N.D.	0.01

检测依据 Test Method:

参考 US EPA 3052:1996 进行样品预处理。

Refer to US EPA3052:1996 for sample pretreatment.

采用 ICP-OES 分析。

Analyzed by ICP-OES.

- w/w % = 重量百分比 weight by weight; $0.1\% = 1000\text{mg/kg} = 1000\text{ppm}$
- N.D. = 未检出 Not Detected ($< \text{RL}$)
- RL = 报告检出限 Report Limit (当浓度值 $\geq \text{RL}$ 时显示数据。RL 不同于法规限值。Concentration value will be shown if it $\geq \text{RL}$. RL is not regulatory limit.)
- ^{#2}:该物质的浓度值是由物质中的特征元素测试结果换算而来。Concentration value of the substance by the conversion from the test results of certain elements.

检测报告 Test Report

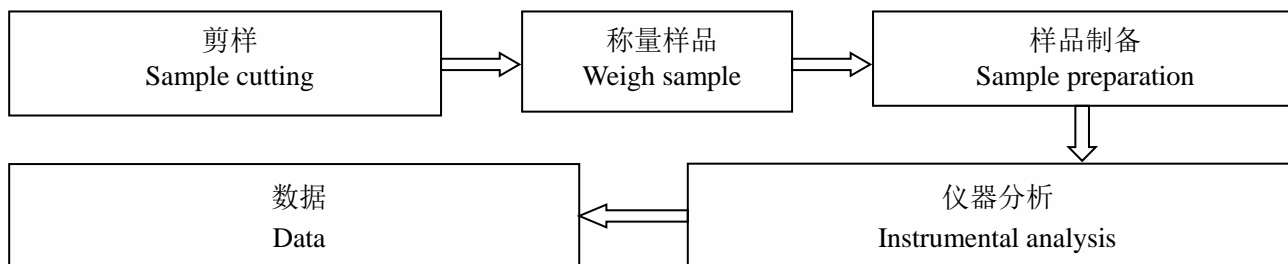
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附加信息 Appendix:

1. 根据欧盟 REACH 法规（编号 1907/2006）第 33 条款之规定，物品类产品如果含有候选列表上的高度关注物质且在物品中的质量百分比超过 0.1% 时，物品供应方需履行相关信息传递义务：
Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
 - 1) 物品供应方应提供给接收方关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
 - 2) 应消费者请求，物品供应方应在 45 天内免费提供关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
2. 根据欧盟 REACH 法规（编号 1907/2006）第 31 条款及附件 2 之规定，提供高度关注物质的物质类产品供应方，应免费提供接收方该物质的安全数据表。The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
3. 根据欧盟 REACH 法规（编号 1907/2006）第 31、32 条款及附件 2 之规定，提供含有高度关注物质的混合物产品供应方需传递相关信息：
The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
 - 1) 如果混合物产品按照 1999/45/EC 被判定为危险品时，供应方应免费提供产品的安全数据表。
Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
 - 2) 如果混合物产品按照 1999/45/EC 判定并非危险品，但是任一高度关注物质在非气体混合物中质量分数超过 0.1% 或在气体混合物中体积分数超过 0.2%，供应方也应免费提供产品的安全数据表。
Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.

检测流程 Test Process



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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	样品描述请参见照片 See the sample photo for your information

注释 Note:

- #1 表示该项目/方法不在 CNAS 认可范围内。
indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.
- 根据客户声明，本报告中的样品和报告 A2240754418102001E 中的样品为同材质，本报告中样品的结果引自于报告 A2240754418102001E。
According to the client's statement, the material of sample in this report is the same as the sample in report No. A2240754418102001E, so the test result(s) is(are) presented in reference to that one.
- 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。
The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

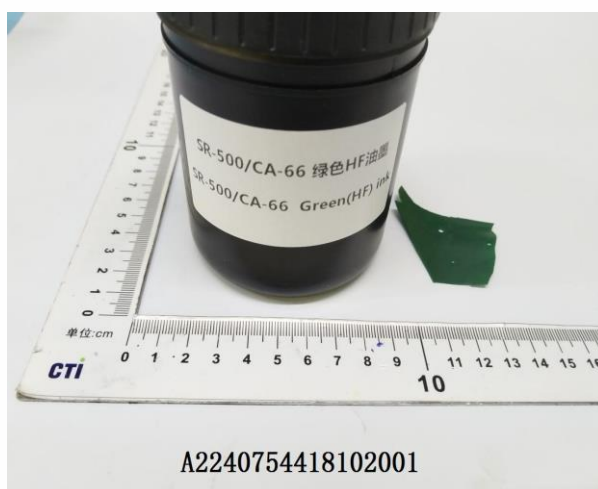
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样品图片

Photo(s) of the sample(s)



声明 Statement:

1. 检测报告无批准人签字、“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;
Without written approval of CTI, this report can't be reproduced except in full;
6. 如检测报告中的英文内容与中文内容有差异, 以中文为准。
In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
*** End of Report ***