



检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 1 页 共 20 页
Page 1 of 20

报告抬头公司名称 衡所华威电子有限公司
Company Name HYSOL HUAWEI ELECTRONICS CO., LTD.
shown on Report
地 址 江苏省连云港市高新技术产业开发区振华路 8 号
Address NO.8 ZHENHUA ROAD, HIGH-TECH INDUSTRIAL DEVELOPMENT ZONE,
LIANYUNGANG, JIANGSU

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	环氧膜塑料
Sample Name	Mold Compound
样品型号	MG15F-MOD2;MG 15F-MOD2 C
Part No.	MG15F-MOD2;MG 15F-MOD2 C
样品接收日期	2023.04.27
Sample Received Date	Apr. 27, 2023
样品检测日期	2023.04.27-2023.05.06
Testing Period	Apr. 27, 2023 to May 6, 2023

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

陈凯敏

实验室经理 Lab Manager

日期

Date

2023.05.26

上海华测品标检测技术有限公司

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

检验检测专用章
Inspection & Testing Services

No. R475311085

上海市闵行区万芳路 1351 号

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

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 2 页 共 20 页
Page 2 of 20

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), DIBP, 砷(As), 铍(Be), 锑(Sb), 六溴环十二烷(HBCDD), 氟(F), 氯(Cl), 溴(Br), 碘(I), 全氟辛烷磺酸(PFOS), 全氟辛酸(PFOA), 四溴双酚 A (TBBP-A), 邻苯二甲酸酯, 聚氯乙烯(PVC), 多环芳烃(PAHs), 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), Arsenic(As), Beryllium(Be), Antimony(Sb), Hexabromocyclododecane (HBCDD), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA), Tetrabromobisphenol A (TBBP-A), Phthalates, Polyvinyl Chloride (PVC), Polycyclic Aromatic Hydrocarbons (PAHs), Red phosphorus in the submitted sample(s).

检测报告 Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 3 页 共 20 页
Page 3 of 20

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 A2230195194101003ER1
Report No. A2230195194101003ER1

第 4 页 共 20 页
Page 4 of 20

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 62321-6:2015	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
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
六溴环十二烷 Hexabromocyclododecane (HBCDD)	IEC 62321-9:2021	GC-MS
氟 Fluorine (F)	参考 BS EN 14582:2016 Refer to BS EN 14582:2016	IC
氯 Chlorine (Cl)	参考 BS EN 14582:2016 Refer to BS EN 14582:2016	IC
溴 Bromine (Br)	参考 BS EN 14582:2016 Refer to BS EN 14582:2016	IC
碘 Iodine (I)	参考 BS EN 14582:2016 Refer to BS EN 14582:2016	IC
全氟辛酸磺酸 Perfluorooctane Sulfonates(PFOS)	参考 CEN/TS 15968:2010* Refer to CEN/TS 15968:2010*	LC-MS-MS/LC-MS
全氟辛酸 Perfluorooctanoic Acid(PFOA)	参考 CEN/TS 15968:2010* Refer to CEN/TS 15968:2010*	LC-MS-MS/LC-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
邻苯二甲酸酯 Phthalates	IEC 62321-8:2017	GC-MS
聚氯乙烯 Polyvinyl Chloride (PVC)	参考 JY/T 001-1996* Refer to JY/T 001-1996*	FT-IR

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 5 页 共 20 页
Page 5 of 20

测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
红磷 Red phosphorus*	参考 GB/T 6040-2002, GB/T 9722-2006, GB/T 17359-2012, EPA 6010D:2014 Refer to GB/T 6040-2002, GB/T 9722-2006, GB/T 17359-2012, EPA 6010D:2014	ICP-OES, PY-GC-MS, FTIR, EM
多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)	AfPS GS 2019:01 PAK	GC-MS

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
	003		
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
	003		
多溴联苯 Polybrominated Biphenyls (PBBs)*¹			
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	

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 6 页 共 20 页
Page 6 of 20

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	003		
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)*¹			
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	

检测报告 Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 7 页 共 20 页
Page 7 of 20

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	003		
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
	003	
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
	003	
铍 Beryllium (Be)	N.D.	10 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
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	
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

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 8 页 共 20 页
Page 8 of 20

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
氟 Fluorine (F) CAS#:7782-41-4	N.D.	10 mg/kg
氯 Chlorine (Cl) CAS#:7782-50-5	170 mg/kg	10 mg/kg
溴 Bromine (Br) CAS#:7726-95-6	N.D.	10 mg/kg
碘 Iodine (I) CAS#:7553-56-2	N.D.	10 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) CAS#:1763-23-1	N.D.	0.010 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
全氟辛酸 Perfluorooctanoic Acid (PFOA) CAS#:335-67-1	N.D.	0.010 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
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
	003	
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
*邻苯二甲酸二己酯 Di-n-hexyl phthalate (DNHP/DHEXP) CAS#:84-75-3	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
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 9 页 共 20 页
Page 9 of 20

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
*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(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
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	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
*邻苯二甲酸二乙酯 Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	50 mg/kg
*己二酸二异壬酯 Diisononyl adipate (DINA) CAS#:33703-08-1	N.D.	50 mg/kg
*邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	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
*邻苯二甲酸二丙酯 Dipropyl phthalate (DPrP) CAS#:131-16-8	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(2-甲氧基)乙酯 Bis(2-methoxyethyl) phthalate (DMEP) CAS#:117-82-8	N.D.	50 mg/kg

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 10 页 共 20 页
Page 10 of 20

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
聚氯乙烯 Polyvinyl Chloride (PVC)	阴性 Negative	/

测试项目 Tested Item(s)	结果 Result	方法检出限
	003	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	1.3 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	0.8 mg/kg	0.2 mg/kg
芘 Pyrene CAS#:129-00-0	0.5 mg/kg	0.2 mg/kg
䟽 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)芘 Benzo(g,h,i)perylene CAS#:191-24-2	N.D.	0.2 mg/kg

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 11 页 共 20 页
Page 11 of 20

测试项目	结果 Result	方法检出限
茚并(1,2,3-cd)芘 Indenol(1,2,3-cd)pyrene CAS#:193-39-5	N.D.	0.2 mg/kg
菲,葱,荧葱,芘总量 Sum (Phenanthrene, Anthracene, Fluoranthene, Pyrene)	2.6 mg/kg	/
15 PAHs 总量 Sum 15 PAHs	2.6 mg/kg	/

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 12 页 共 20 页
Page 12 of 20

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	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	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)
苯并[a]芘 Benzo[a]pyrene CAS#:50-32-8	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 1
苯并[e]芘 Benzo[e]pyrene CAS#:192-97-2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 1
苯并[a]蒽 Benzo[a]anthracene CAS#:56-55-3	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 1
苯并[b]荧蒽 Benzo[b]fluoranthene CAS#:205-99-2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 1
苯并[j]荧蒽 Benzo[j]fluoranthene CAS#:205-82-3	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 1
苯并[k]荧蒽	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 1

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 13 页 共 20 页
Page 13 of 20

Benzo[k]fluoranthene CAS#:207-08-9					
蒽Chrysene CAS#:218-01-9	< 0.2	< 0.2	< 0.5	< 0.5	< 1
二苯并[a,h]蒽 Dibenzo[a,h]anthracene CAS#:53-70-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并[g,h,i]芘 Benzo[g,h,i]perylene CAS#:191-24-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚并[1,2,3-cd]芘 Indenol[1,2,3-cd]pyrene CAS#:193-39-5	< 0.2	< 0.2	< 0.5	< 0.5	< 1
菲,葱,荧葱,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 CAS#:91-20-3	< 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
红磷 Red phosphorus	N.D.	500 mg/kg

检测报告

Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 14 页 共 20 页
Page 14 of 20

样品/部位描述 Sample/Part Description

序号	CTI 样品 ID	描述
No.	CTI Sample ID	Description
1	003	黑色固体 Black 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

-1000 mg/kg = 0.1%

-*¹=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。

-阴性表示不含有聚氯乙烯(PVC)

客户样品多信息说明: 供给不同客户, 会有不同的型号/名称叫法。

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

-Negative = Not contained Polyvinyl Chloride (PVC)

Information Statement: Different Part No. or sample name with different buyer.

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。

“*”表示该项目/方法不在 CNAS 认可范围内。

本报告于原报告(报告编号 A2230195194101003E)基础上修改了测试项目“氟(F), 氯(Cl), 溴(Br), 碘(I)的测试方法”。本报告替换原报告 A2230195194101003E, 自本报告签发之日起, 原报告 A2230195194101003E 作废。

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 item(s)/method(s) is (are) not in CNAS accreditation scope.

This testing report revised Tested Item(s) “Test Method of Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)” based on the original report of No. A2230195194101003E. This testing report displaces the original one which was invalid since the date of this testing report released.

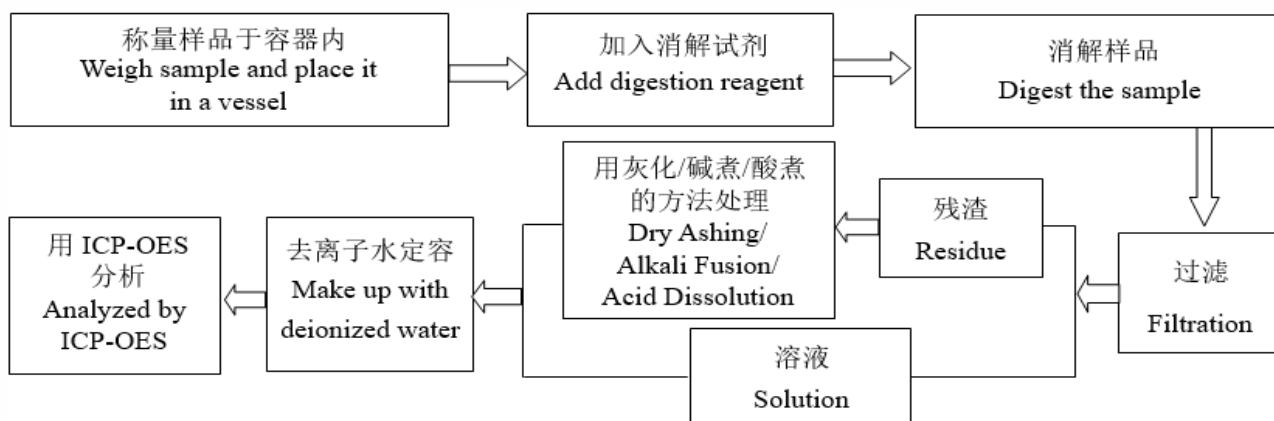
检测报告 Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

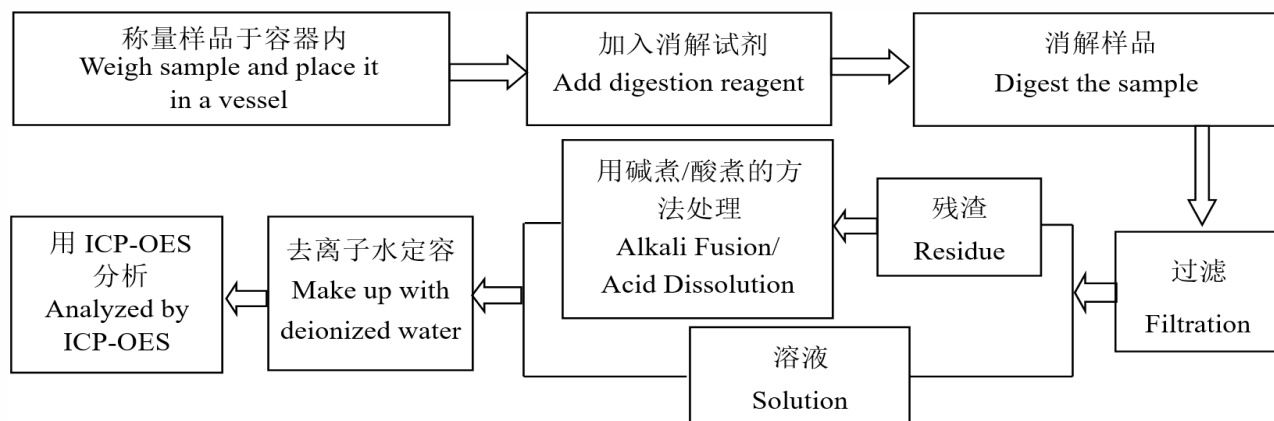
第 15 页 共 20 页
Page 15 of 20

检测流程 Test Process

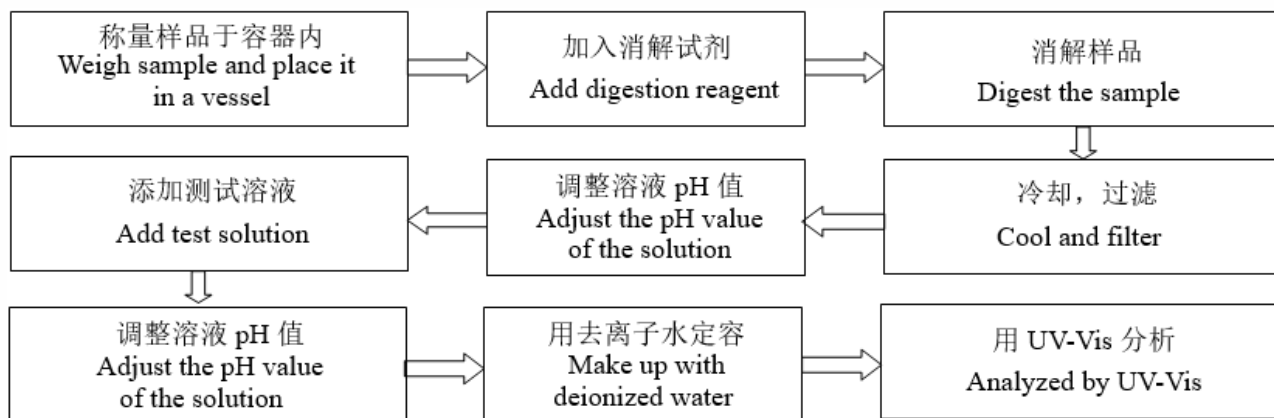
1. 铅 Lead (Pb), 镉 Cadmium (Cd)



2. 汞 Mercury (Hg)



3. 六价铬 Hexavalent Chromium (Cr(VI))

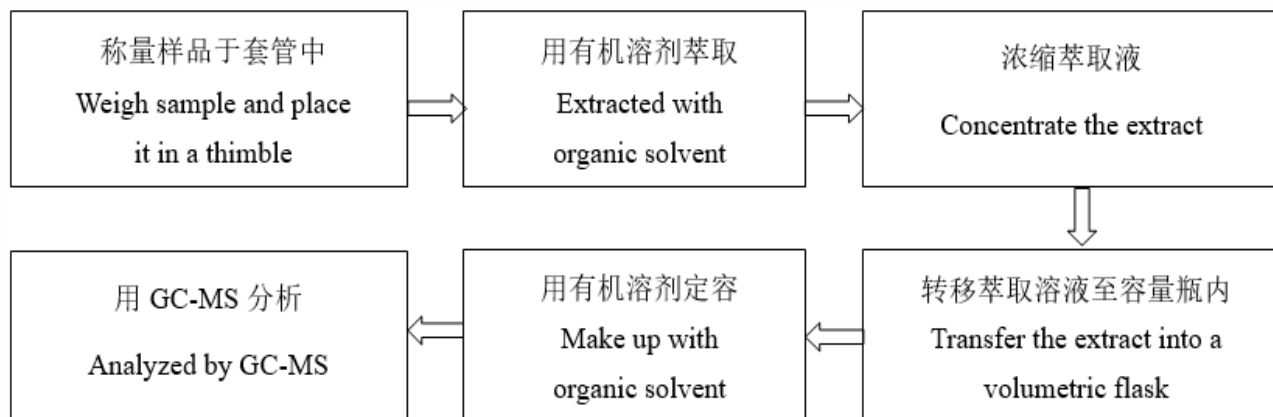


检测报告 Test Report

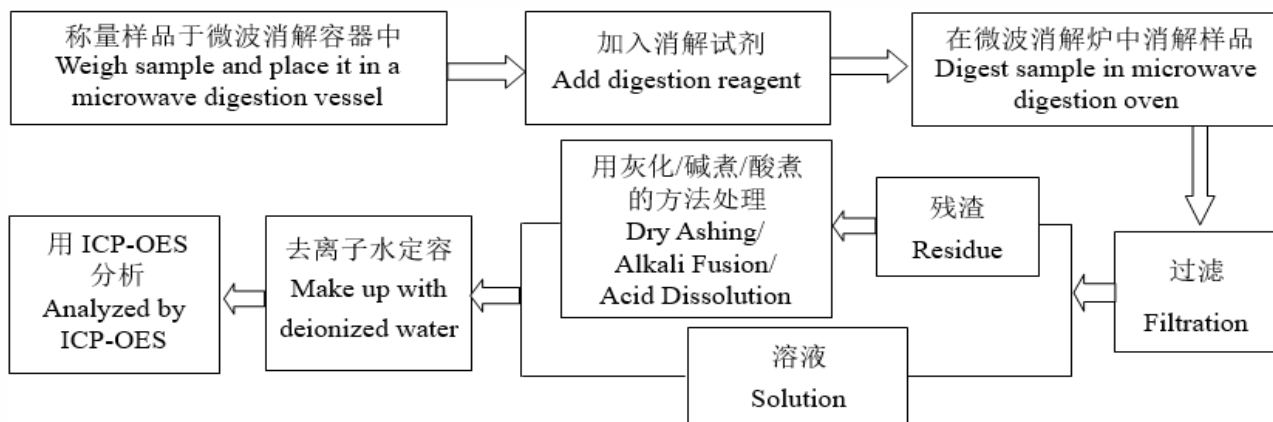
报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 16 页 共 20 页
Page 16 of 20

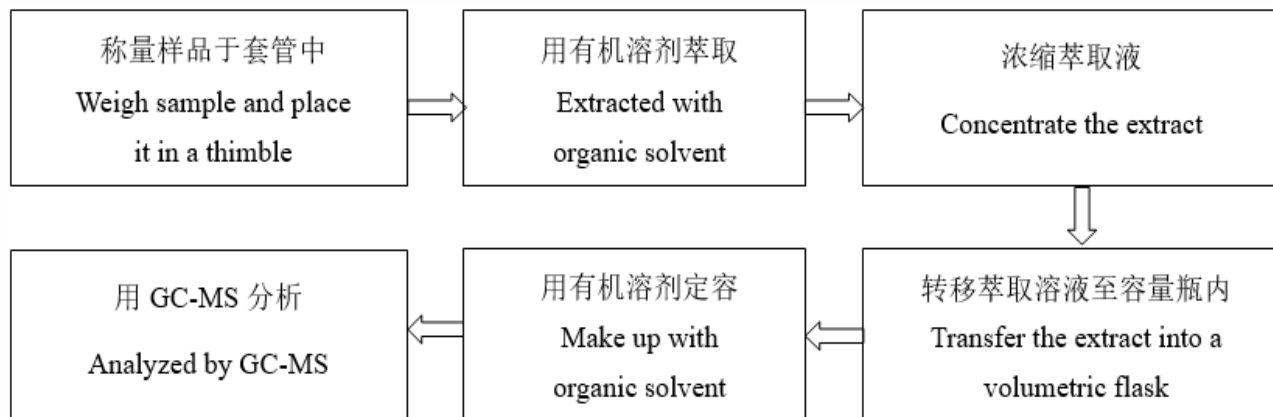
4. 多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs), 多溴联苯 Polybrominated Biphenyls (PBBs)



5. 砷 Arsenic(As), 铍 Beryllium(Be), 锑 Antimony(Sb)



6. 六溴环十二烷 Hexabromocyclododecane (HBCDD)

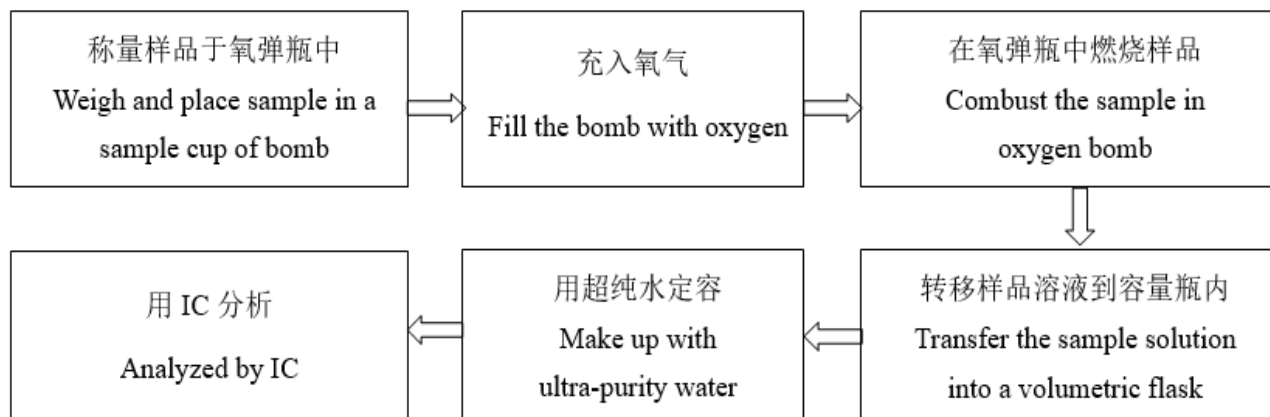


检测报告 Test Report

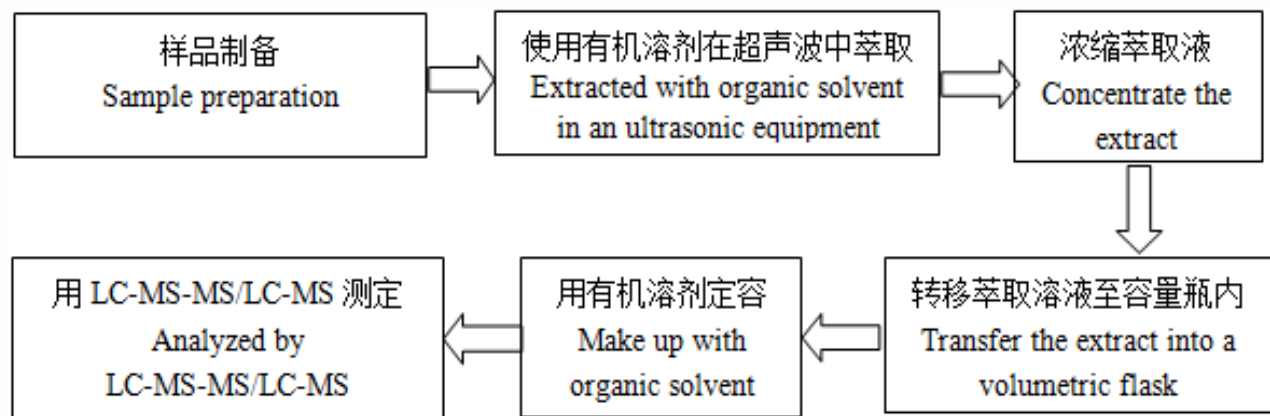
报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 17 页 共 20 页
Page 17 of 20

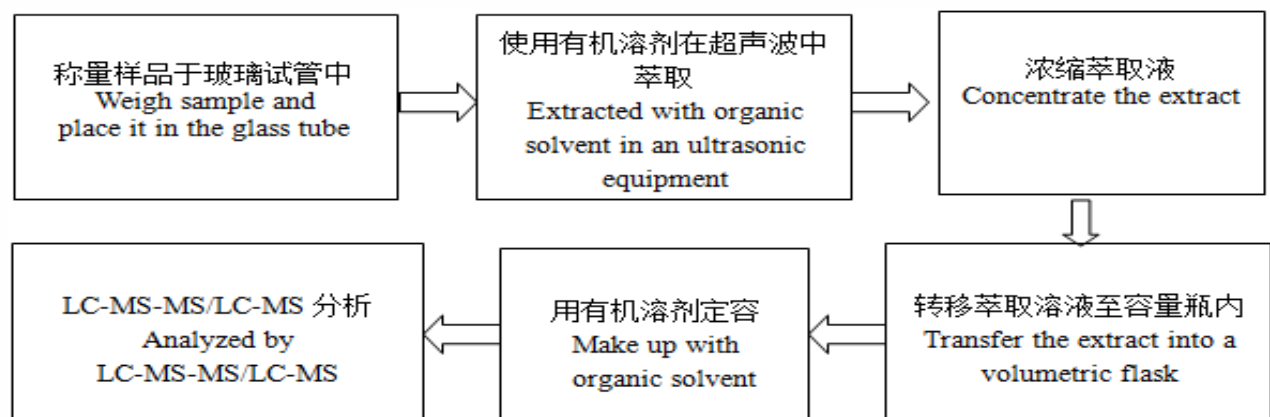
7. 氟 Fluorine (F), 氯 Chlorine (Cl), 溴 Bromine (Br), 碘 Iodine (I)



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



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

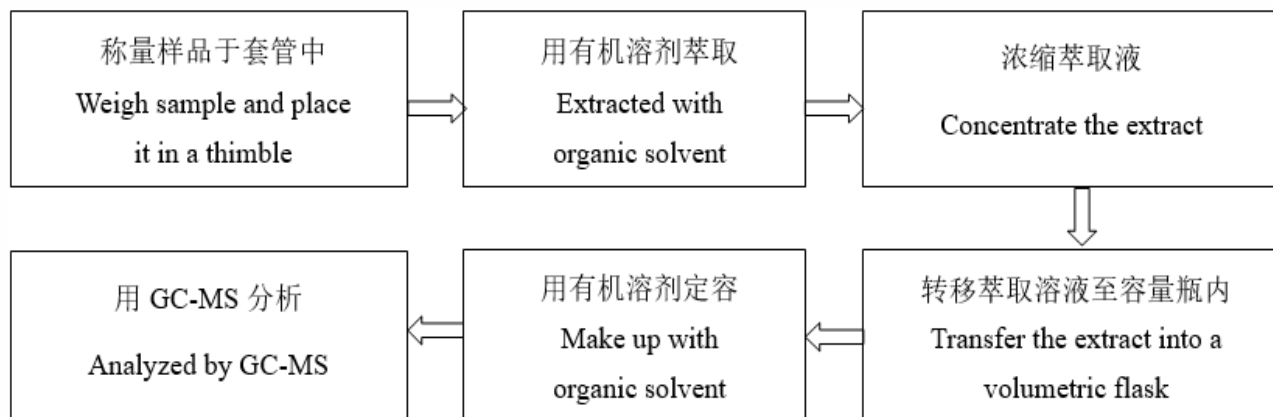


检测报告 Test Report

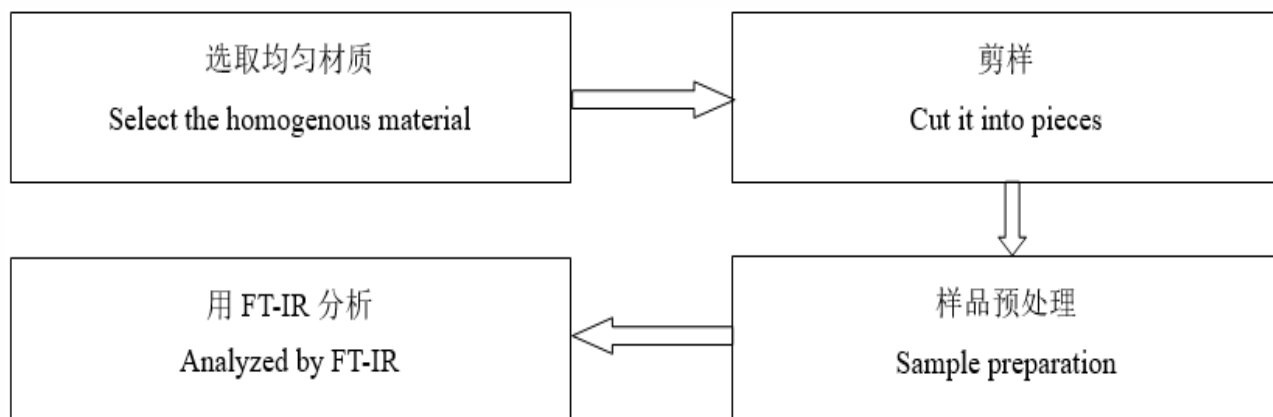
报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 18 页 共 20 页
Page 18 of 20

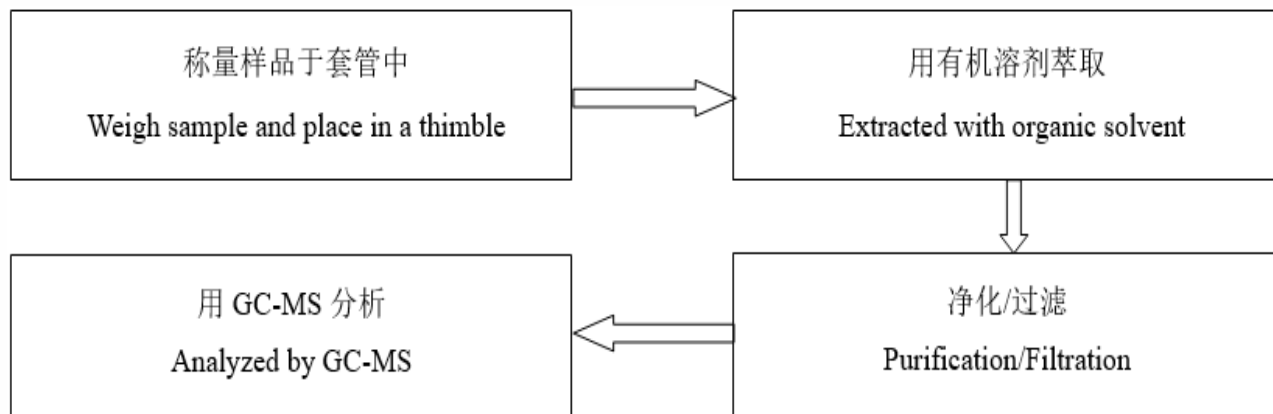
10. 邻苯二甲酸酯 Phthalates



11. 聚氯乙烯 Polyvinyl Chloride (PVC)



12. 多环芳烃 Polycyclic Aromatic Hydrocarbons (PAHs)

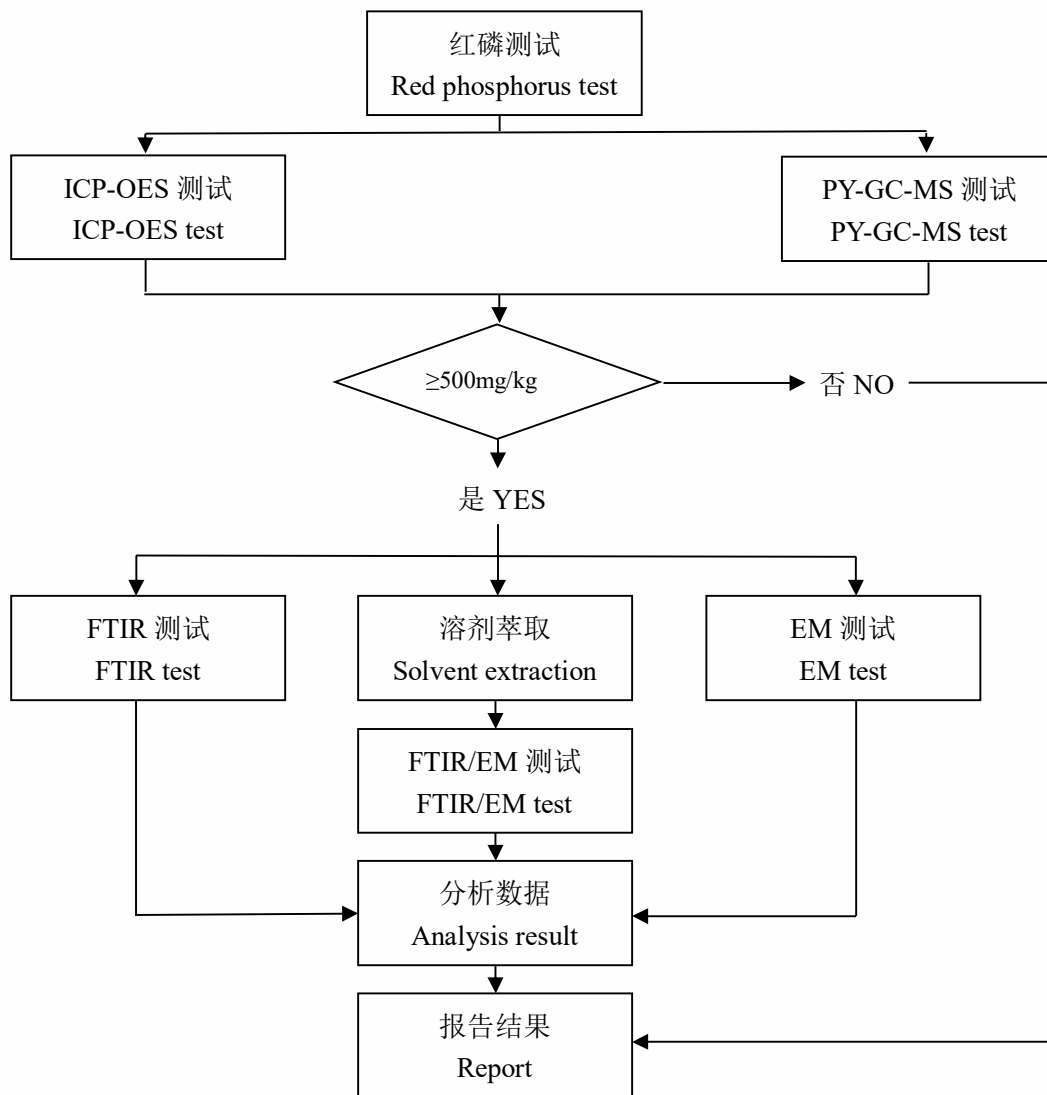


检测报告 Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 19 页 共 20 页
Page 19 of 20

13. 红磷 Red phosphorus



检测报告 Test Report

报告编号 A2230195194101003ER1
Report No. A2230195194101003ER1

第 20 页 共 20 页
Page 20 of 20

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. 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;
5. 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 ***