

检测报告 Test Report



报告编号 A2190035061101001E
Report No. A2190035061101001E

第 1 页 共 9 页
Page 1 of 9

申请单位 江苏嘉盛新材料有限公司
Applicant JIANGSU SUNCHEM NEW MATERIALS CO.,LTD
地 址 江苏省江阴市滨江西路1313号
Address NO. 1313 WEST BINJIANG ROAD, JIANGYIN, JIANGSU, 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 client

样品名称 可发性聚苯乙烯
Sample Name EXPANDABLE POLYSTYRENE RESIN
客户参考信息 A,B,D
Client Reference A,B,D
Information
样品接收日期 2019.02.26
Sample Received Date Feb. 26, 2019
样品检测日期 2019.02.26-2019.03.01
Testing Period Feb. 26, 2019 to Mar. 1, 2019

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), 氟(F), 氯(Cl), 溴(Br), 碘(I), 邻苯二甲酸酯, 全氟辛烷磺酸(PFOS), 全氟辛酸(PFOA), 六溴环十二烷(HBCDD)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), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Phthalates, Perfluorooctane Sulfonates (PFOS), Perfluorooctanoic Acid (PFOA), Hexabromocyclododecane (HBCDD) 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).

主 检

Tested by

批准

Approved by

张孝瑜

陈凯敏

实验室经理 Lab Manager

审 核

Reviewed by

日 期

Date

顾翠丽

2019.03.01

No. R188381136

上海华测检测技术有限公司
Centre Testing International Pinbiao(Shanghai) Co., Ltd.

上海市浦东新区新金桥路1996号
No. 1996, Xinqiniao Road, Pudong New District, Shanghai, China

检测报告

Test Report

报告编号 A2190035061101001E

Report No. A2190035061101001E

第 2 页 共 9 页

Page 2 of 9

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 62321-6:2015	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
氟 Fluorine (F)	参考EN 14582:2016 Refer to EN 14582:2016	IC
氯 Chlorine (Cl)	参考EN 14582:2016 Refer to EN 14582:2016	IC
溴 Bromine (Br)	参考EN 14582:2016 Refer to EN 14582:2016	IC
碘 Iodine (I)	参考EN 14582:2016 Refer to EN 14582:2016	IC
邻苯二甲酸酯Phthalates (DNOP,DINP,DIDP)	参考EN 14372:2004(E) Refer to EN 14372:2004(E)	GC-MS
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	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)	参考US EPA 3550C:2007 & US EPA 8321B:2007 Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
六溴环十二烷 Hexabromocyclododecane (HBCDD)	参考US EPA 3550C:2007 & US EPA 8270E:2017 Refer to US EPA 3550C:2007 & US EPA 8270E:2017	GC-MS

检测报告 Test Report

报告编号 A2190035061101001E

Report No. A2190035061101001E

第 3 页 共 9 页

Page 3 of 9

检测结果 Test Result(s)

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

检测报告 Test Report

报告编号 A2190035061101001E

Report No. A2190035061101001E

第 4 页 共 9 页

Page 4 of 9

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
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
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
邻苯二甲酸酯 Phthalates		
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

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
全氟辛烷磺酸 Perfluorooctane Sulfonates(PFOS)	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
全氟辛酸 Perfluorooctanoic Acid(PFOA)	N.D.	5 mg/kg

检测报告 Test Report

报告编号 A2190035061101001E

Report No. A2190035061101001E

第 5 页 共 9 页

Page 5 of 9

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
六溴环十二烷 Hexabromocyclododecane(HBCDD)	N.D.	5 mg/kg

测试样品/部位描述

白色半透明颗粒

Tested Sample/Part Description

White translucent grains

备注: 对于检测铅, 镉, 汞之样品已完全溶解。

-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.

-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。

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

检测报告 Test Report

报告编号 A2190035061101001E

Report No. A2190035061101001E

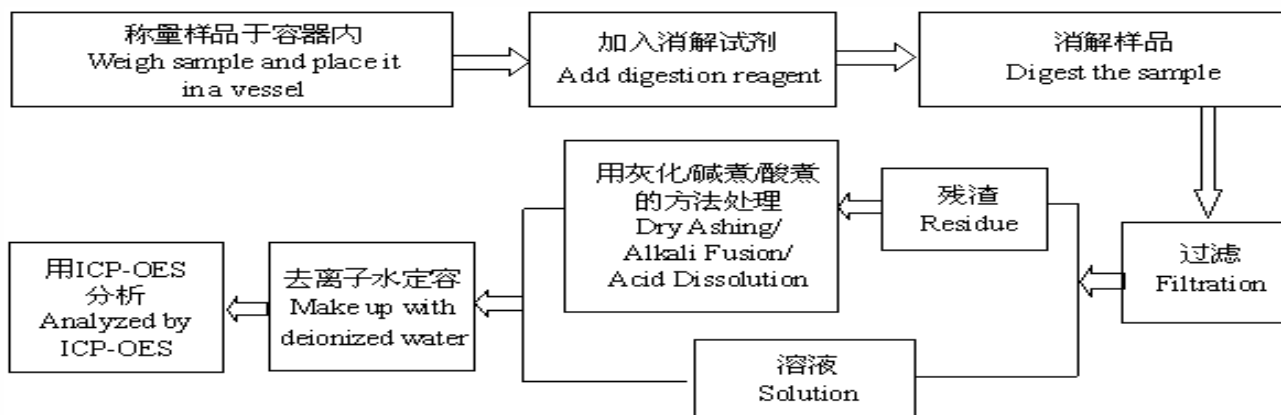
第 6 页 共 9 页

Page 6 of 9

检测流程 Test Process

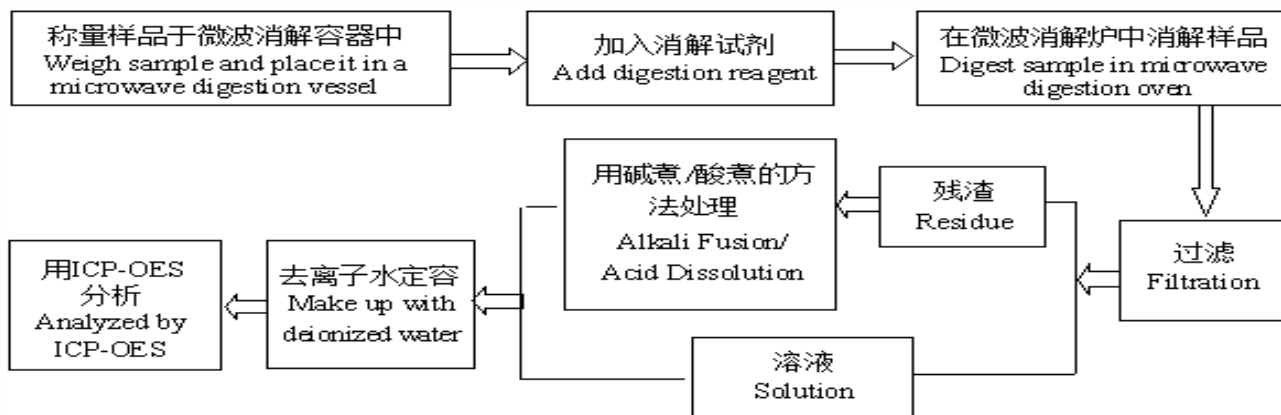
1. 铅(Pb), 镉(Cd), 铬(Cr)

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



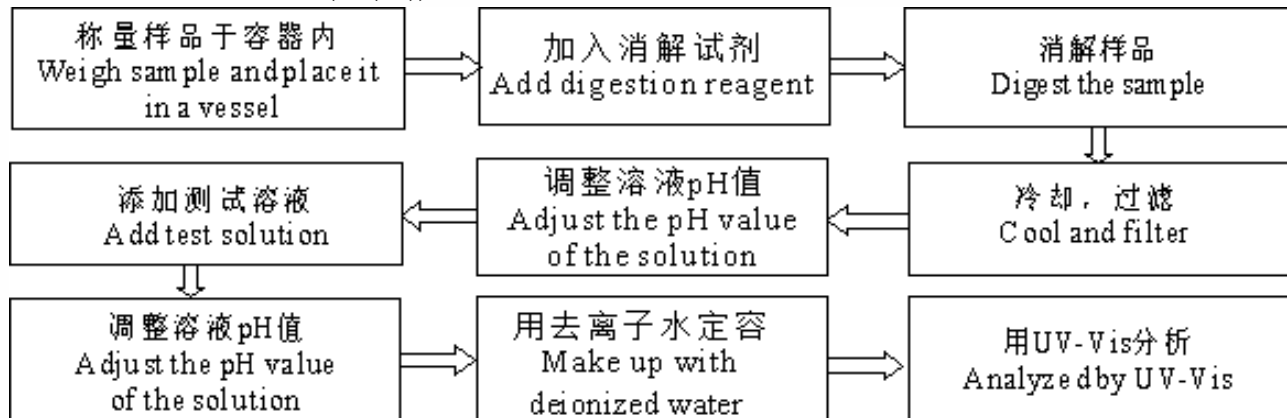
2. 汞(Hg)

Mercury(Hg)



3. 六价铬(Cr(VI))

Hexavalent Chromium(Cr(VI))



检测报告 Test Report

报告编号 A2190035061101001E

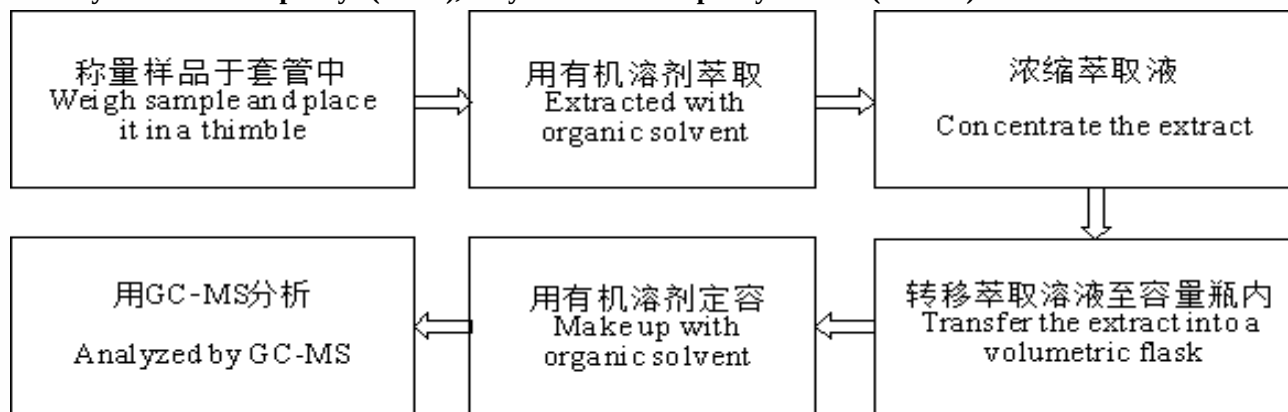
Report No. A2190035061101001E

第 7 页 共 9 页

Page 7 of 9

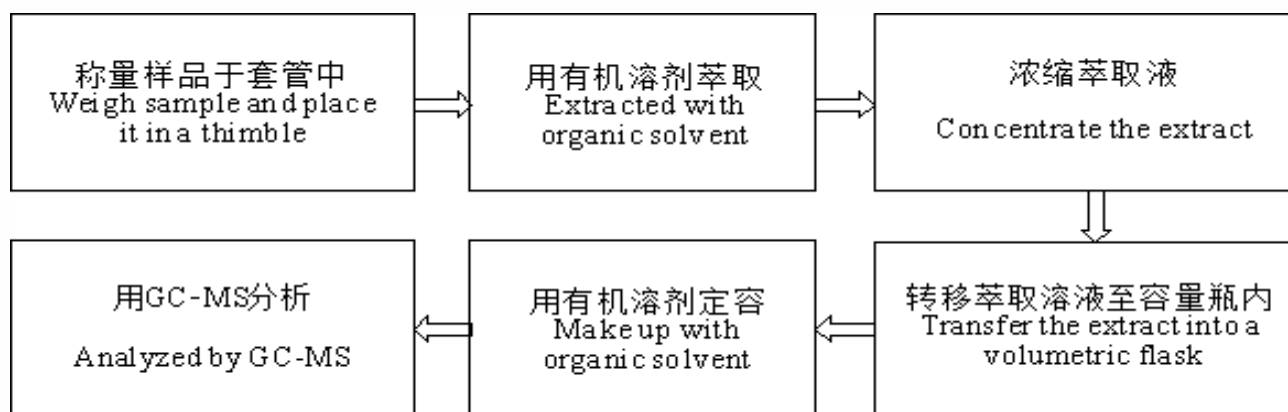
4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)

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



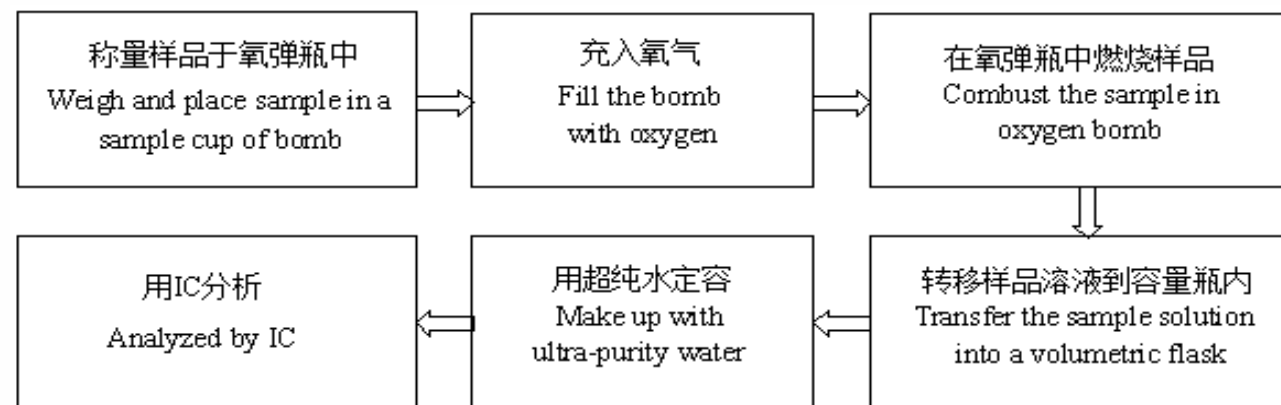
5. 邻苯二甲酸酯

Phthalates



6. 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 A2190035061101001E

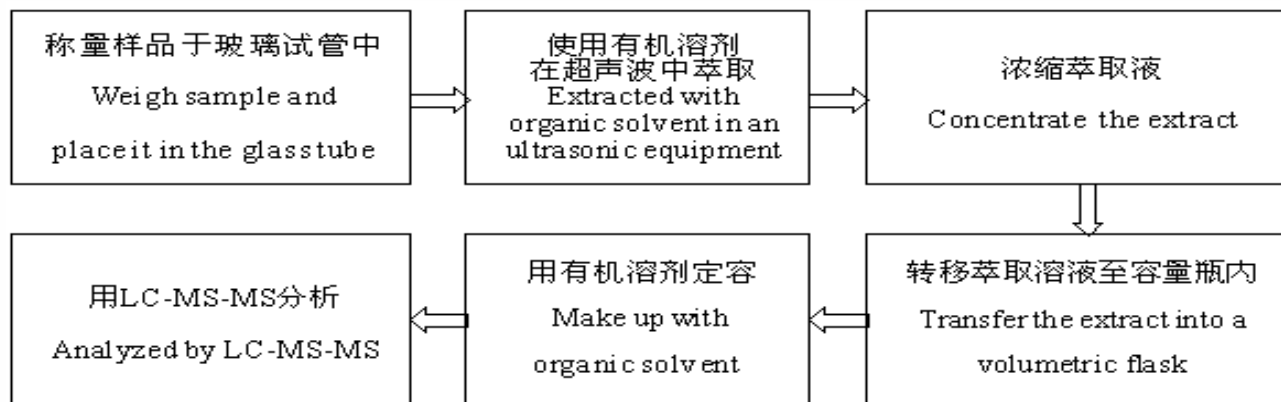
Report No. A2190035061101001E

第 8 页 共 9 页

Page 8 of 9

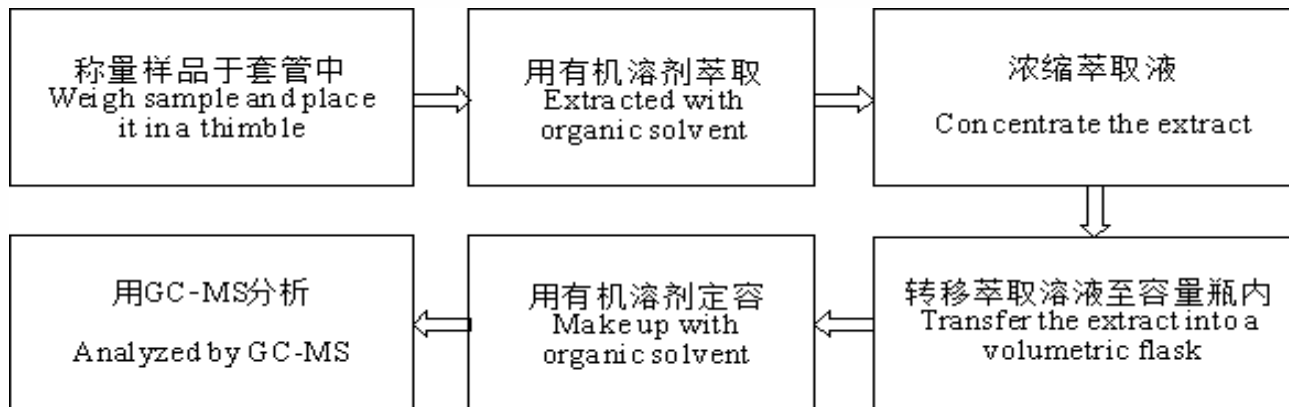
7. 全氟辛烷磺酸(PFOS), 全氟辛烷酸(PFOA)

Perfluorooctane Sulfonates (PFOS), Perfluorooctanoic Acid (PFOA)



8. 六溴环十二烷(HBCDD)

Hexabromocyclododecane (HBCDD)

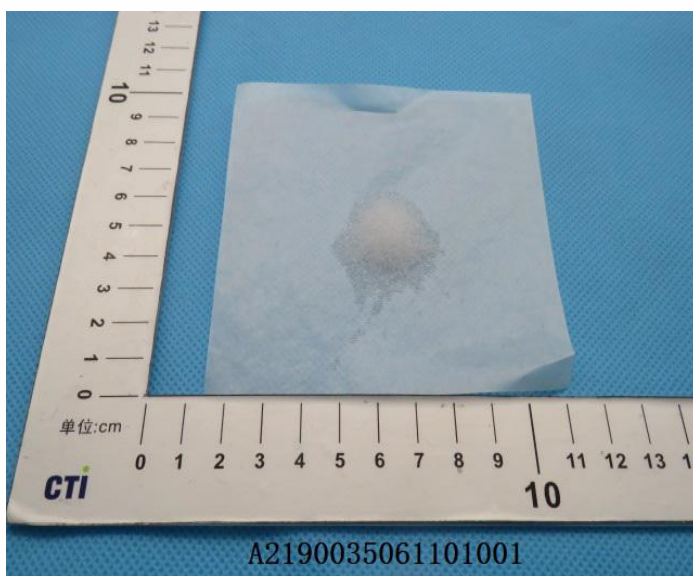


检测报告 Test Report

报告编号 A2190035061101001E
Report No. A2190035061101001E

第 9 页 共 9 页
Page 9 of 9

样品图片 Photo(s) of the sample(s)



报告结束
*** End of report ***

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. 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 sample(s) and sample information was/were provided by the client 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;
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