



中国认可
国际互认
检测
TESTING
CNAS L19581

Test Report
检测报告

No.: S250108015001-1
编号: S250108015001-1

Date: Jan 13, 2025
日期: 2025 年 01 月 13 日

Page 1 of 10
第 1 页, 共 10 页

Customer: Guangzhou Sunshine Electronics Technology Co.,Ltd

客户名称: 广州歆讯电子科技有限公司

Customer Address: 16th Floor, No. 9 Baihesha Road, Liwan District, Guangzhou

客户地址: 广州市荔湾区白鹤沙路 9 号 16 层

Sample Name: Lead-free Tin Paste(Solder Paste)
样品名称: 无铅锡浆
Model: RL-406S
型号: RL-406S
Additional Model: SP-X、SP-50、SP-60,RL-404、RL-404S、RL-406、HW31、HW32、HW33、HW34、
附加型号: HW35、HW36、HW37、HW38、HW39、HW40
Trademark: Quick, Sunshine, RELIFE
商标: Quick, Sunshine, RELIFE
Manufacturer: Foshan Xinheng Technology Co., Ltd.
制造商: 佛山新恒科技有限公司
Manufacturer Address: 5th Floor, Building 3, Liandong Intelligent Manufacturing Park, No. 105,Shilong
制造商地址: North Road,Nanhai District,Foshan City
佛山市南海区桂城街道石龙北路 105 号 联东智造园 3 座 5 楼

The above samples and information are provided by the customer
以上样品及信息由客户提供

Sample Received Date: Jan 08, 2025
样品接收日期: 2025 年 01 月 08 日
Test Period: Jan 08, 2025 to Jan 13, 2025
检测周期: 2025 年 01 月 08 日 至 2025 年 01 月 13 日
Test Requirements: Test according to customer requirement
检测要求: 根据客户要求检测
Test Method: Please refer to next page(s)
检测方法: 参见下一页
Test Result: Please refer to next page(s)
检测结果: 参见下一页
Test Conclusion: **PASS**
检测结论: 符合

WRITTEN BY

Zoey Zhang

张亚婷 Zoey Zhang

REVIEWED BY

Kira Fu

符克霞 Kira Fu

Soar Testing Certification
(GuangDong) Co.,Ltd.

APPROVED BY

Eric Wu Frank Wu

吴峥荣 Eric Wu 吴成友 Frank Wu

批准签署人 Approved signatory

Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurral to the content of test report, please propose in 15 days.

Lab name: Soar Testing Certification (GuangDong) Co., Ltd.
Post Code: 523945 Tel: (86-769) 38937518

Address: Room 1093, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China
E-mail: service@soar-cert.com Website: http://www.soartestlab.com



Result Summary:

检测结果概要:

Test Requested 检测要求	Conclusion 结论
1. RoHS Directive 2011/65/EU Annex II amending directive (EU)2015/863 1. RoHS 指令 2011/65/EU 附录 II 的修正指令(EU)2015/863 1) Lead, Mercury, Cadmium, Hexavalent Chromium Content 1) 铅、汞、镉、六价铬含量 2) PBBs and PBDEs Content 2) 多溴联苯和多溴二苯醚含量 3) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content 3) 邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸苄基丁基酯(BBP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸二异丁酯(DIBP)含量	 PASS 符合 PASS 符合 PASS 符合

Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurral to the content of test report, please propose in 15 days.



Test Result(s):

检测结果:

Description of test sample:

检测样品描述:

Sample No. 样品编号	Item / Component Description(s) 描述	Location(s) 部位	Style(s) / Model(s) 类别/型号
1	Lead-free tin paste(solder paste) 无铅锡浆	Refer to photo 详见照片	RL-406S RL-406S

1. RoHS Directive 2011/65/EU Annex II amending directive (EU)2015/863

1. RoHS 指令 2011/65/EU 附录 II 的修正指令(EU)2015/863

1) Lead, Mercury, Cadmium, Hexavalent Chromium Content

1) 铅、汞、镉、六价铬含量

Test method: Refer to EN 62321-4:2014+A1:2017, EN 62321-5:2014 and EN 62321-7-2:2017, analysis was performed by ICP-OES and UV-Vis.

检测方法: 参考 EN 62321-4:2014+A1:2017, EN 62321-5:2014 和 EN 62321-7-2:2017, 采用 ICP-OES 和 UV-Vis 进行分析。

Test Item 检测项目	Limit 限值	Unit 单位	MDL	Result 结果
				No.1
Lead (Pb) 铅(Pb)	1000	mg/kg	2	91
Mercury (Hg) 汞(Hg)	1000	mg/kg	2	N.D.
Cadmium (Cd) 镉(Cd)	100	mg/kg	2	N.D.
Hexavalent Chromium (Cr(VI)) 六价铬(Cr(VI))	1000	mg/kg	2	N.D.
Conclusion 结论				Pass 符合

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method detection limit
4. EN 62321 series is equivalent to IEC 62321 series

注释:

1. mg/kg = 毫克每千克 = ppm
2. N.D. = 未检出 (< 方法检出限)
3. MDL = 方法检出限
4. EN 62321 系列等同于 IEC 62321 系列

Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurral to the content of test report, please propose in 15 days.



2) PBBs and PBDEs Content

2) 多溴联苯和多溴二苯醚含量

Test method: Refer to EN 62321-6:2015, analysis was performed by GC-MS.

检测方法: 参考 EN 62321-6:2015, 使用 GC-MS 进行分析。

Test Item 检测项目	Limit 限值	Unit 单位	MDL	Result 结果
				No.1
Sum of PBBs 多溴联苯总和(PBBs)	1000	mg/kg	-	N.D.
Sum of PBDEs 多溴二苯醚总和(PBDEs)	1000	mg/kg	-	N.D.
Monobromobiphenyl 一溴联苯	-	mg/kg	5	N.D.
Dibromobiphenyl 二溴联苯	-	mg/kg	5	N.D.
Tribromobiphenyl 三溴联苯	-	mg/kg	5	N.D.
Tetrabromobiphenyl 四溴联苯	-	mg/kg	5	N.D.
Pentabromobiphenyl 五溴联苯	-	mg/kg	5	N.D.
Hexabromobiphenyl 六溴联苯	-	mg/kg	5	N.D.
Heptabromobiphenyl 七溴联苯	-	mg/kg	5	N.D.
Octabromobiphenyl 八溴联苯	-	mg/kg	5	N.D.
Nonabromobiphenyl 九溴联苯	-	mg/kg	5	N.D.
Decabromobiphenyl 十溴联苯	-	mg/kg	5	N.D.
Monobromodiphenyl ether 一溴二苯醚	-	mg/kg	5	N.D.
Dibromodiphenyl ether 二溴二苯醚	-	mg/kg	5	N.D.
Tribromodiphenyl ether 三溴二苯醚	-	mg/kg	5	N.D.
Tetrabromodiphenyl ether 四溴二苯醚	-	mg/kg	5	N.D.
Pentabromodiphenyl ether 五溴二苯醚	-	mg/kg	5	N.D.
Hexabromodiphenyl ether 六溴二苯醚	-	mg/kg	5	N.D.

Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurrer to the content of test report, please propose in 15 days.



Test Item 检测项目	Limit 限值	Unit 单位	MDL	Result 结果
				No.1
Heptabromodiphenyl ether 七溴二苯醚	-	mg/kg	5	N.D.
Octabromodiphenyl ether 八溴二苯醚	-	mg/kg	5	N.D.
Nonabromodiphenyl ether 九溴二苯醚	-	mg/kg	5	N.D.
Decabromodiphenyl ether 十溴二苯醚	-	mg/kg	5	N.D.
Conclusion 结论				Pass 符合

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method detection limit
4. "-" = Not Regulated
5. EN 62321 series is equivalent to IEC 62321 series

注释:

1. mg/kg = 毫克每千克 = ppm
2. N.D. = 未检出 (< 方法检出限)
3. MDL = 方法检出限
4. "-" = 未规定
5. EN 62321 系列等同于 IEC 62321 系列

Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurral to the content of test report, please propose in 15 days.

3) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content**3) 邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸苄基丁基酯(BBP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸二异丁酯(DIBP)含量**

Test method: Refer to EN 62321-8:2017, Analysis was conducted by GC-MS.

检测方法: 参考 EN 62321-8:2017, 使用 GC-MS 进行分析。

Test Item 检测项目	Limit 限值	Unit 单位	MDL	Result 结果
				No.1
Di(2-ethylhexyl) phthalate (DEHP) 邻苯二甲酸二(2-乙基)己酯 (DEHP)	1000	mg/kg	50	N.D.
Benzyl butyl phthalate (BBP) 邻苯二甲酸苄基丁基酯 (BBP)	1000	mg/kg	50	N.D.
Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	N.D.
Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	N.D.
Conclusion 结论				Pass 符合

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method detection limit
4. EN 62321 series is equivalent to IEC 62321 series

注释:

1. mg/kg = 毫克每千克 = ppm
2. N.D. = 未检出 (< 方法检出限)
3. MDL = 方法检出限
4. EN 62321 系列等同于 IEC 62321 系列

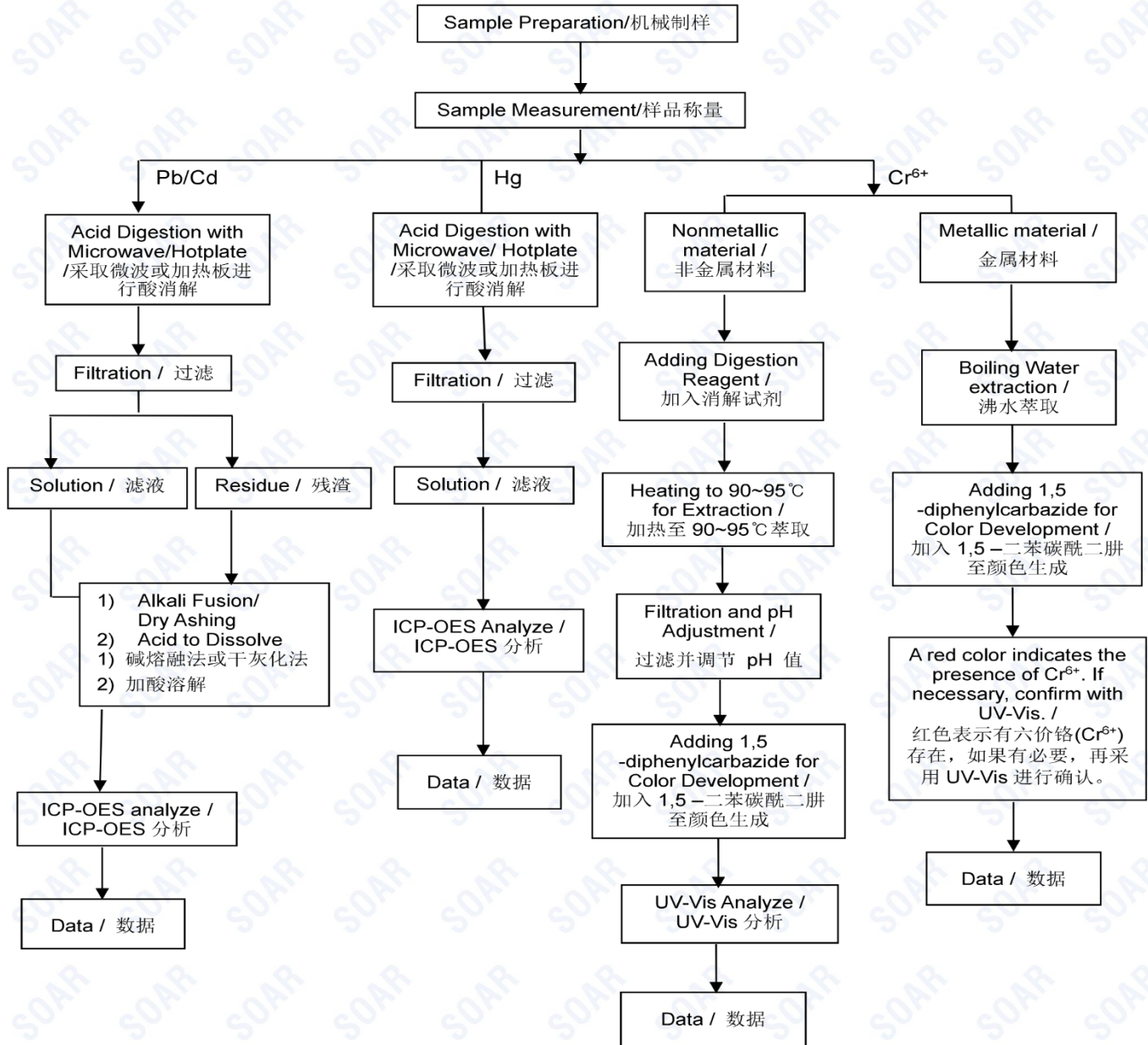
Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample. The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

备注: 根据申请人的要求, 对提交样品所选的材料进行检测。测试结果仅对提交的样品负责。本检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供参考。

Pb/Cd/Hg/Cr(VI) Testing Flow Chart

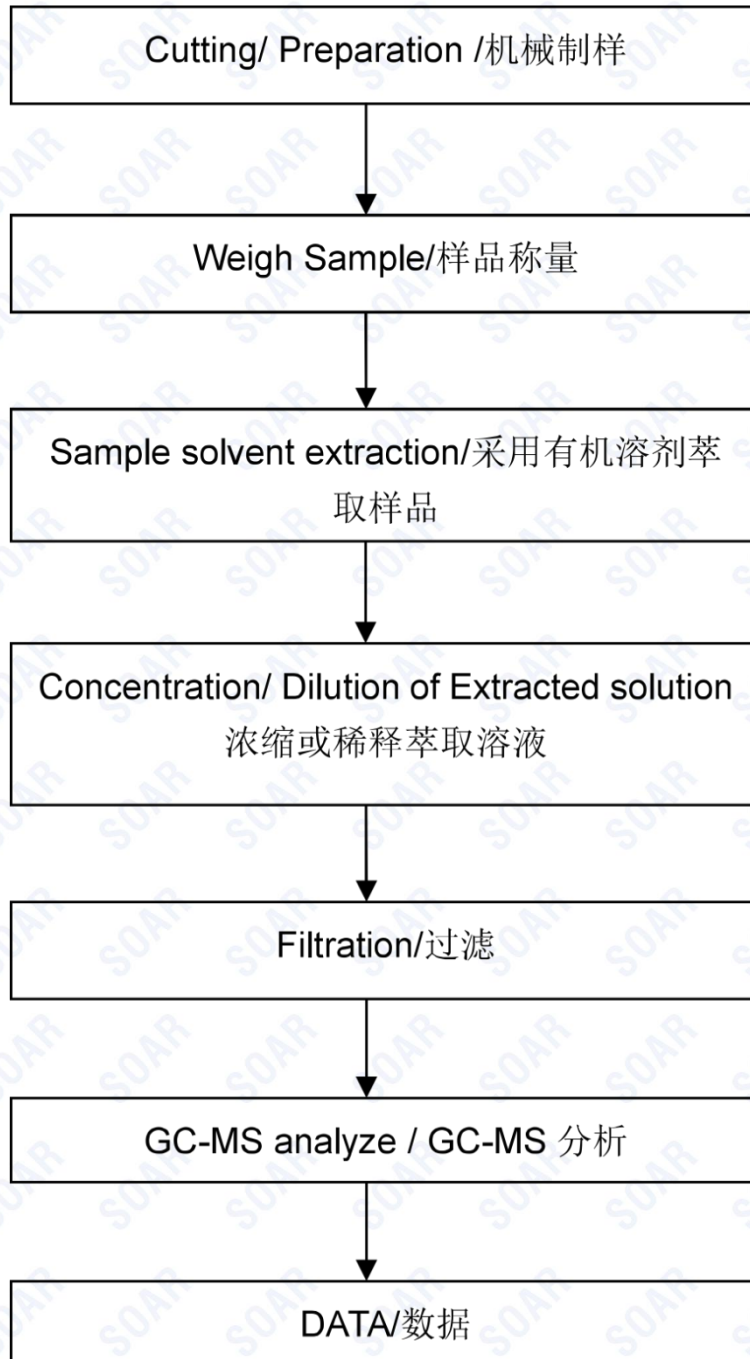
Pb/Cd/Hg/Cr(VI) 检测流程图

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr⁶⁺ test method excluded)
1) 根据以下测试流程图样品在预处理方法中被完全溶解(Cr⁶⁺ 测试方法除外)。



Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurral to the content of test report, please propose in 15 days.

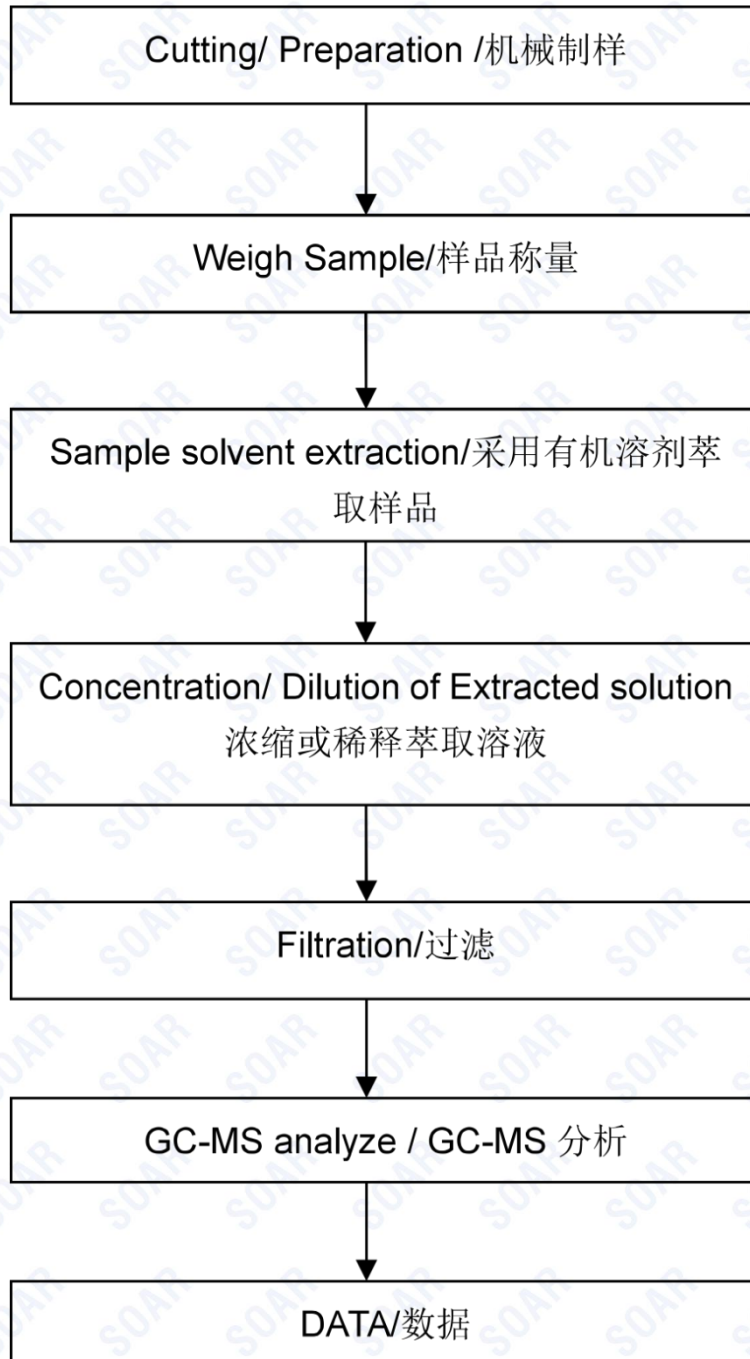
Polybrominated Biphenyls and Polybrominated Diphenyl Ethers(PBBs&PBDEs) Testing Flow Chart
多溴联苯&多溴联苯醚(PBBs&PBDEs) 检测流程图



Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurral to the content of test report, please propose in 15 days.

Phthalates Testing Flow Chart

邻苯二甲酸酯 检测流程图



Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurral to the content of test report, please propose in 15 days.

Photo of the Sample:

样品照片:



The photo is for use with SOAR original report only.

此照片仅限于随腾飞正本报告使用

*** End of Report ***

*** 报告结束 ***