

Test Report 测试报告

No. C210515016002-1
编号: C210515016002-1

Date: May 19, 2021
日期: 2021年05月19日

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第1页,共10页

Applicant: JIAXING WIN MAGNET CO.,LTD.

申请公司: 嘉兴文宇磁性材料有限公司

Applicant Address: ROOM 1704,NO.3 PARK LANE BUILDING,XIUZHOU DIST.,JIAXING CITY,ZHEJIANG PROVINCE

申请公司地址: 浙江省嘉兴市秀洲区瀚丰大厦3幢1704室

The following samples were submitted and identified on behalf of the clients as

以下测试之样品是由申请者所提供及确认

Sample Name:	Zinc Magnet
样品名称:	镀锌磁铁
CPST Internal Reference No.:	C210515016
CPST 参考编号:	C210515016
Date of Sample Received:	May 15, 2021
收样日期:	2021年05月15日
Testing Period:	May 15, 2021 to May 19, 2021
测试周期:	2021年05月15日至2021年05月19日
Test Method:	Please refer to next page(s)
测试方法:	请参见下一页
Test Result:	Please refer to next page(s)
测试结果:	请参见下一页



Signed for and on behalf of
Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

WRITTEN BY:

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技术总监

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邮编 Postcode: 523945

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CONCLUSION :

结 论:

TESTED SAMPLES

测试样品

TEST ITEM

测试项目

RESULT

结果

Zinc Magnet
镀锌磁铁

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

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

— Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs
and PBDEs Content

—铅、汞、镉、六价铬、多溴联苯和多溴联苯醚含量

—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP),
Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content

—邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸苯基丁酯(BBP)、邻
苯二甲酸二丁酯(DBP)、邻苯二甲酸二异丁酯(DIBP)含量

PASS
合格

PASS
合格

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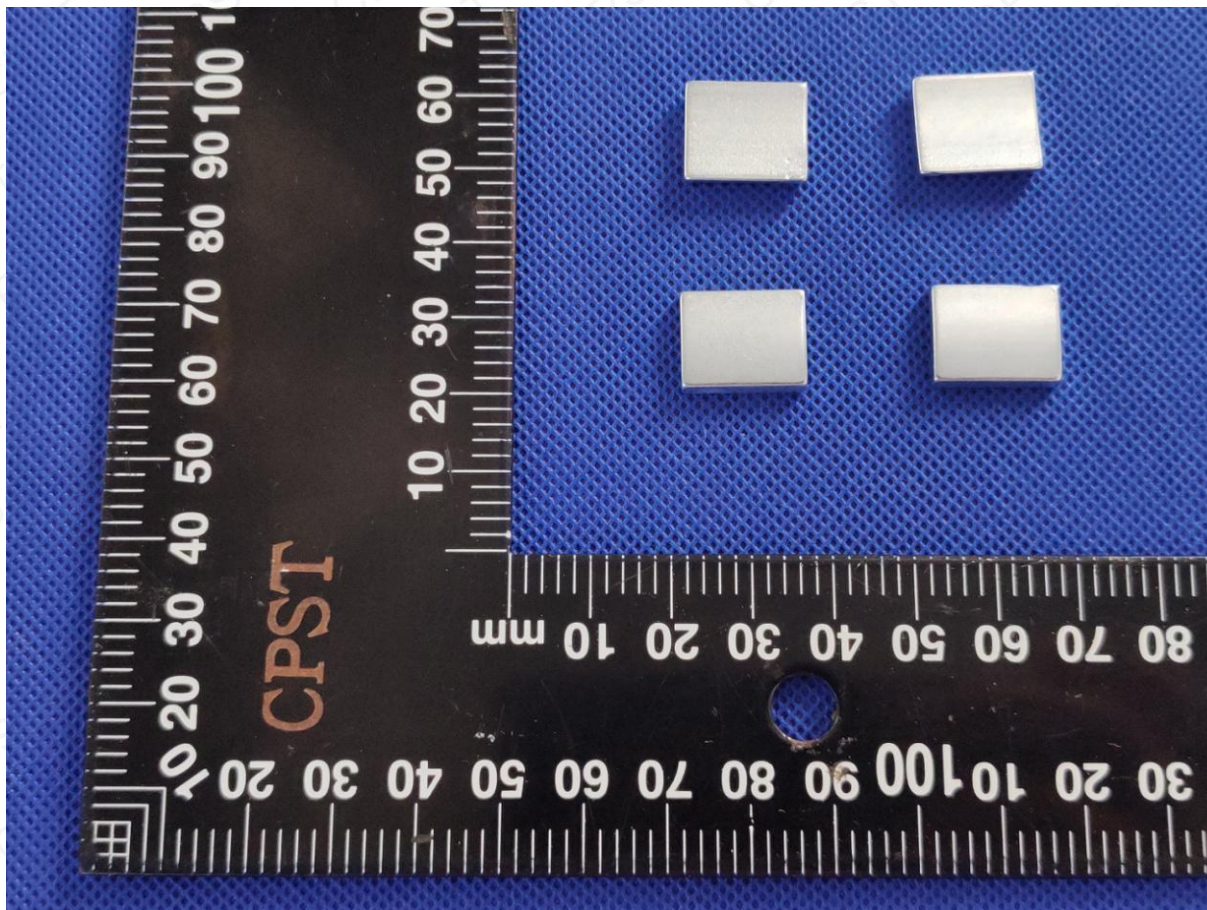
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Photo of the Submitted Sample

送检样品照片



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Test Result(s):

测试结果:

Description of Specimen : Silvery metal
样品描述 : 银色金属

1. Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs—RoHS Directive 2011/65/EU

Annex II amending Annex (EU)2015/863

1.铅、汞、镉、六价铬、多溴联苯和多溴联苯醚含量—RoHS 指令 2011/65/EU 附录 II 的修正指令(EU)2015/863

Test Items 测试项目	Unit 单位	Test Method 测试方法	Result 结果	MDL 检出限	Limit 限值
Lead (Pb)/铅	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	2	1000
Mercury (Hg)/汞	mg/kg	IEC 62321-4:2013+A1:2017, ICP-OES	N.D.	2	1000
Cadmium(Cd)/镉	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	2	100
Hexavalent Chromium (CrVI)/六价铬	µg/cm ²	IEC 62321-7-1:2015, UV-VIS	N.D.	0.10	0.10
Monobromobiphenyl/一溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Dibromobiphenyl/二溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tribromobiphenyl/三溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tetrabromobiphenyl/四溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Pentabromobiphenyl/五溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Hexabromobiphenyl/六溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Heptabromobiphenyl/七溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Octabromobiphenyl/八溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Nonabromobiphenyl/九溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Decabromobiphenyl/十溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Sum of PBBs/多溴联苯总和	mg/kg	-	N.D.	-	1000
Monobromodiphenyl ether/一溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Dibromodiphenyl ether/二溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tribromodiphenyl ether/三溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tetrabromodiphenyl ether/四溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Pentabromodiphenyl ether/五溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Hexabromodiphenyl ether/六溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Heptabromodiphenyl ether/七溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Octabromodiphenyl ether/八溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Nonabromodiphenyl ether/九溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Decabromodiphenyl ether/十溴联苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Sum of PBDEs/多溴联苯醚总和	mg/kg	-	N.D.	-	1000

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Note:

1. mg/kg = milligram per kilogram= ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method detection limit
4. “-” = Not Regulated
5. Boiling-water-extraction:
Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than 0.10µg with 1cm² sample surface area.
Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is greater than 0.13µg with 1cm² sample surface area.
Inconclusive = the detected concentration in boiling-water-extraction solution is greater than 0.10µg and less than 0.13µg with 1cm² sample surface area.
6. Positive = result be regarded as not comply with RoHS requirement
7. Negative = result be regarded as comply with RoHS requirement

注释:

1. mg/kg =毫克每千克= ppm
2. N.D. = 未检出 (< MDL)
3. MDL = 方法检测限
4. “-” = 未规定
5. 沸水萃取:
阴性 = 未检测到六价铬: 每1cm²表面积的被测试样品的沸水萃取液中六价铬的浓度小于0.10µg.
阳性 = 检测到六价铬: 每 1cm² 表面积的被测试样品的沸水萃取液中六价铬的浓度大于 0.13µg.
不确定 = 检测到六价铬: 每 1cm² 表面积的被测试样品的沸水萃取液中六价铬的浓度大于 0.10µg 而小于 0.13µg.
6. 阳性表示六价铬不符合 RoHS 要求
7. 阴性表示六价铬符合 RoHS 要求

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-Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content—RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863

-邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸苯基丁酯(BBP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸二异丁酯(DIBP)含量— RoHS 指令2011/65/EU附录II的修正指令(EU)2015/863

Test method: With reference to IEC 62321-8:2017, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

测试方法: 参考 IEC 62321-8:2017, 使用气相色谱质谱联用仪(GC-MS)进行分析。

Test Items 测试项目	Unit 单位	Result 结果	MDL 检出限	Limit 限值
Di-(2-ethylhexyl) phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate (BBP) 邻苯二甲酸苯基丁酯(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP) 邻苯二甲酸二异丁酯(DIBP)	mg/kg	N.D.	50	1000

Note:

注释:

1. mg/kg = milligram per kilogram= ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method detection limit

1. mg/kg =毫克每千克= ppm
2. N.D. = 未检出 (< MDL)
3. MDL = 方法检测限

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.

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。

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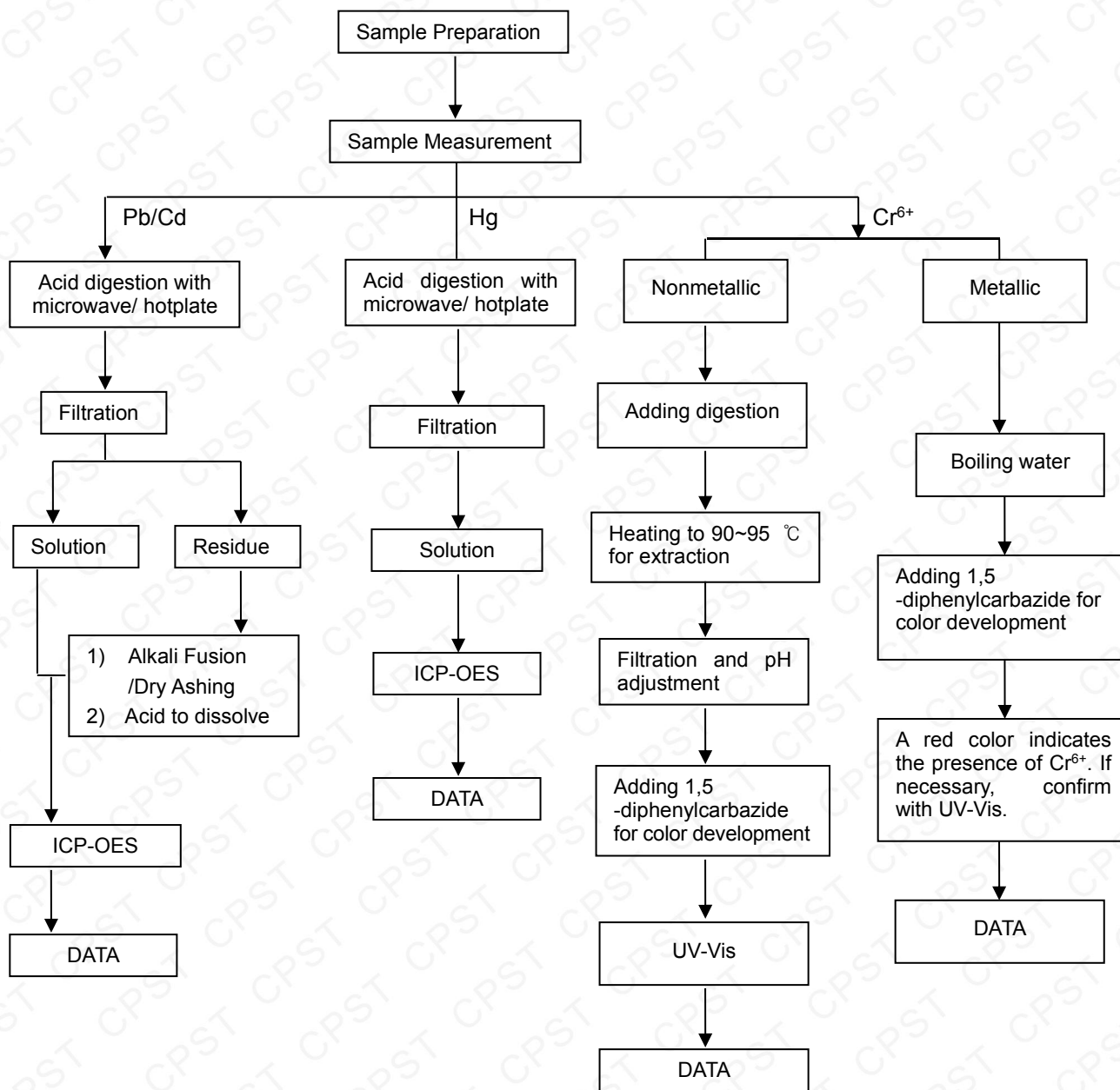
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Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)

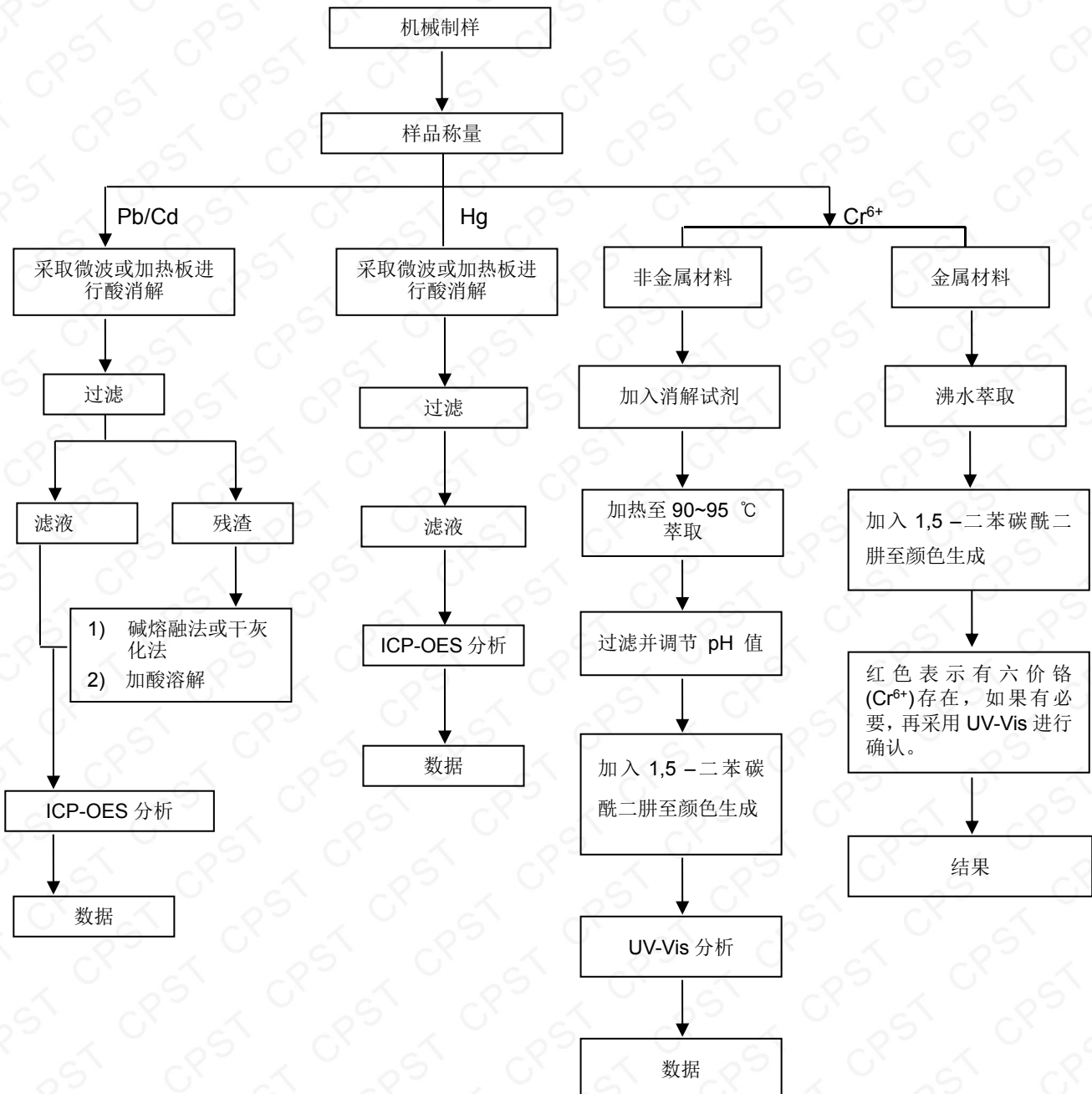


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Pb/Cd/Hg/Cr⁶⁺ 测试流程图

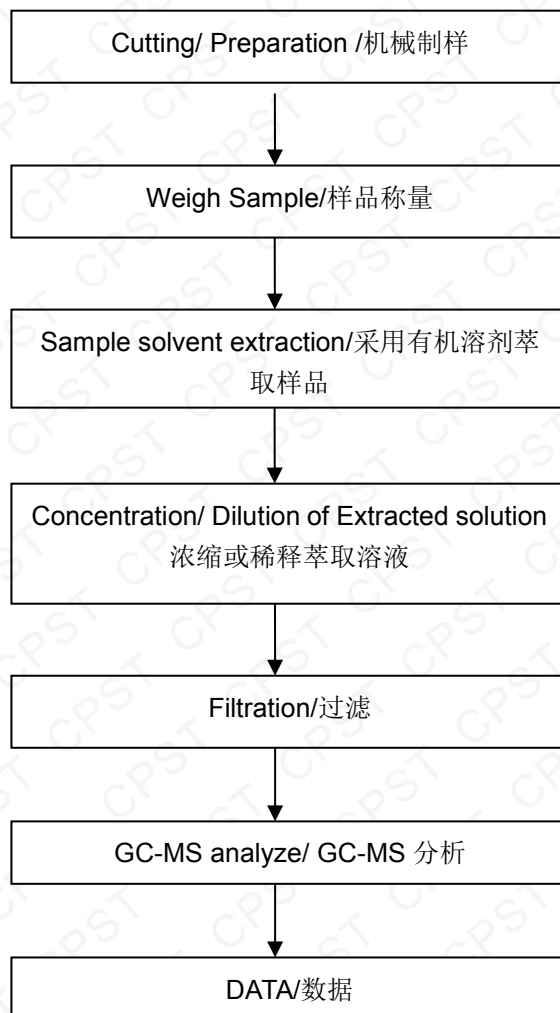
1) 根据以下测试流程图样品在预处理方法中被完全溶解(Cr⁶⁺ 测试方法除外)。



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PBBs/PBDEs Testing Flow Chart
多溴联苯/多溴联苯醚 测试流程图



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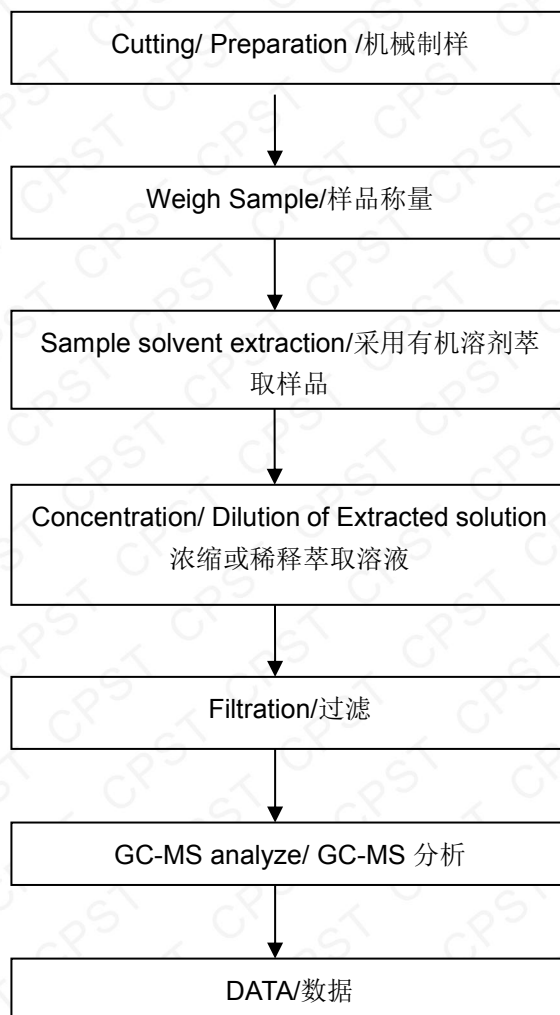
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Phthalates Testing Flow Chart

邻苯二甲酸酯 测试流程图



*** End of Report ***

*** 报告结束 ***

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