

CPST

Test Report 测试报告

No. C160725014002
编号: C160725014002

Date: Jul 28, 2016
日期: 2016年07月28日

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HUIZHOU CHAOREN TECHNOLOGY CO., LTD

惠州市潮人科技有限公司

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惠州市惠城区马安镇新乐工业城新乐三楼

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:	Masking adhesive tape
样品名称:	美纹胶纸
CPST Internal Reference No:	C160725014
编号:	C160725014
Date of Sample Received:	Jul 25, 2016
收样日期:	2016年07月25日
Testing Period:	Jul 25, 2016 to Jul 28, 2016
测试周期:	2016年07月25日至2016年07月28日
Test Method:	Please refer to next pages
测试方法:	请参见下一页
Test Result:	Please refer to next pages
测试结果:	请参见下一页



Signed for and on behalf of
Euronex Consumer Products Testing Service Co., Ltd

TESTED BY :

Andy Wang

Wang Guang Yu, Anndy
Project Leader

REVIEWED BY:

Chery Li

Li Hui Lian, Cheryl
Laboratory Supervisor

APPROVED BY:

Will Pan

Pan Jian Ding, Will
Technical Supervisor

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CONCLUSION :

结 论:

<u>TESTED SAMPLES</u> 测试样品	<u>TEST ITEM</u> 测试项目	<u>RESULT</u> 结果
Masking adhesive tape 美纹胶纸	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	PASS 合格
	— 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
	2.Halogens(Fluorine, Chlorine, Bromine, Iodine)Content — IEC/EN61249-2-21:2003	PASS 合格
	2. 卤素(氟、氯、溴、碘)含量测试 — IEC/EN61249-2-21:2003	
	3.Phthalates Content 3.邻苯二甲酸酯含量	See the results 参见结果

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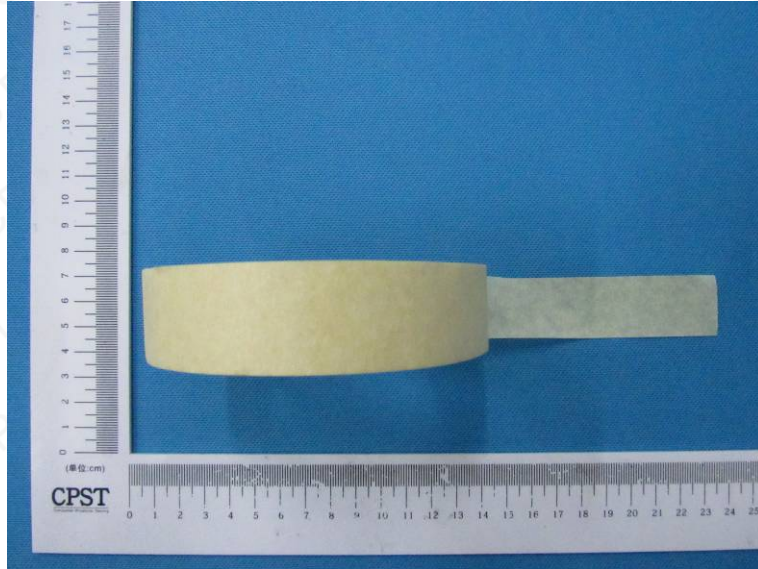
3/F., Huafeng Building, No.77, Hetian Avenue, Houjie, Dongguan, Guangdong, China.

Postcode: 523945

service@cpstlab.com

Photo of the Submitted Sample

递交样品照片



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Test Result(s):

测试结果:

Description of Specimen : Wrinkle adhesive tape
样品描述 : 皱纹胶带

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, 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	mg/kg	IEC 62321:2008, UV-VIS	N.D.	2	1000
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

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

-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 EN 14372:2004; Analysis was conducted by GC-MS.

测试方法: 参考 EN 14372:2004, 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	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:

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

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

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2.Halogens(Fluorine, Chlorine, Bromine, Iodine) Content— IEC/EN61249-2-21:2003

2.卤素(氟、氯、溴、碘)含量测试— IEC/EN61249-2-21:2003

Test Method: With reference to EN 14582:2007, analysis was performed by Ion Chromatograph(IC).

测试方法: 参考 EN 14582:2007, 使用离子色谱仪(IC)进行分析。

Test Item 测试项目	Unit 单位	Result 结果	MDL	Limit 限值
Fluorine(F) 氟(F)	mg/kg	N.D.	25	-
Chlorine(Cl) 氯(Cl)	mg/kg	N.D.	25	900
Bromine(Br) 溴(Br)	mg/kg	N.D.	25	900
Iodine(I) 碘(I)	mg/kg	N.D.	25	-
Cl+Br 氯(Cl) +溴(Br) 之和	mg/kg	N.D.	-	1500

Note:

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

注释:

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

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3. Phthalates Content

3. 邻苯二甲酸酯含量

Test Method: With reference to US EPA 3540C:1996&US EPA 8270D:2007, analysis was performed by GC-MS.

测试方法: 参考 US EPA 3540C:1996&US EPA 8270D:2007, 使用气相色谱质谱联用仪(GC-MS)进行分析。

Test Item 测试项目	CAS No.	Unit 单位	Results 结果	MDL MDL
Di-(2-ethylhexyl) phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	%(w/w)	N.D.	0.005
Di-butyl phthalate (DBP) 邻苯二甲酸二正丁酯(DBP)	84-74-2	%(w/w)	N.D.	0.005
Butyl benzyl phthalate (BBP) 邻苯二甲酸丁苄酯(BBP)	85-68-7	%(w/w)	N.D.	0.005
Di-isononyl phthalate (DINP) 邻苯二甲酸二异壬酯(DINP)	28553-12-0 68515-48-0	%(w/w)	N.D.	0.010
Di-iso-decyl phthalate (DIDP) 邻苯二甲酸二异癸酯(DIDP)	26761-40-0 68515-49-1	%(w/w)	N.D.	0.010
Di-n-octyl phthalate (DNOP) 邻苯二甲酸二正辛酯(DNOP)	17-84-0	%(w/w)	N.D.	0.005
Di-iso-butyl ortho-phthalate(DIBP) 邻苯二甲酸二异丁酯(DIBP)	84-69-5	%(w/w)	N.D.	0.005

Note:

1. % = percentage by weight.
2. 0.0001% = 1 mg/kg.
3. MDL = Method Detection Limit.
4. N.D. = Not Detected (< MDL).

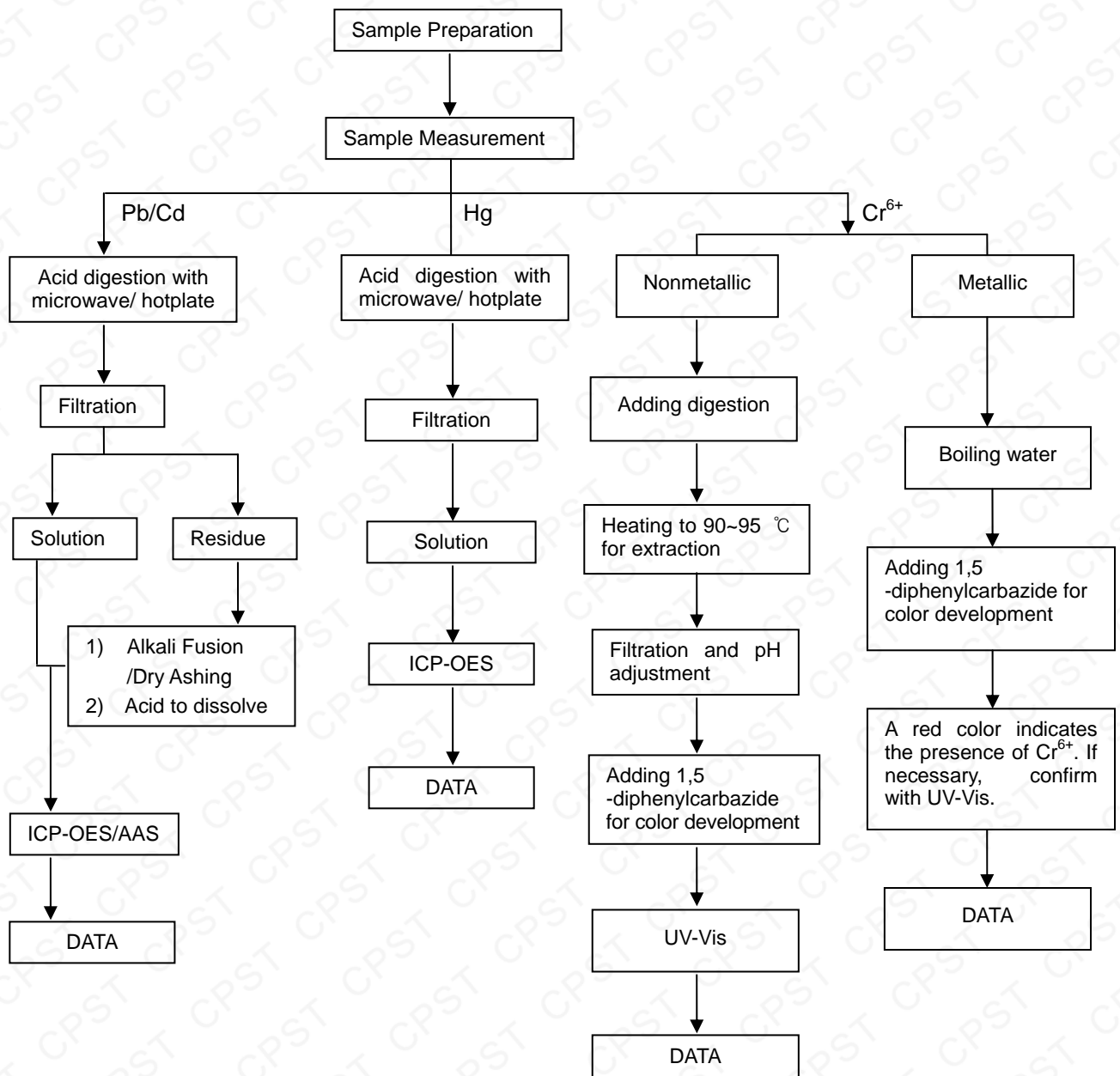
注释:

1. % = 重量百分比。
2. 0.0001% = 1 mg/kg
3. MDL = 方法检出限
4. N.D. = 未检出(< MDL)

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Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

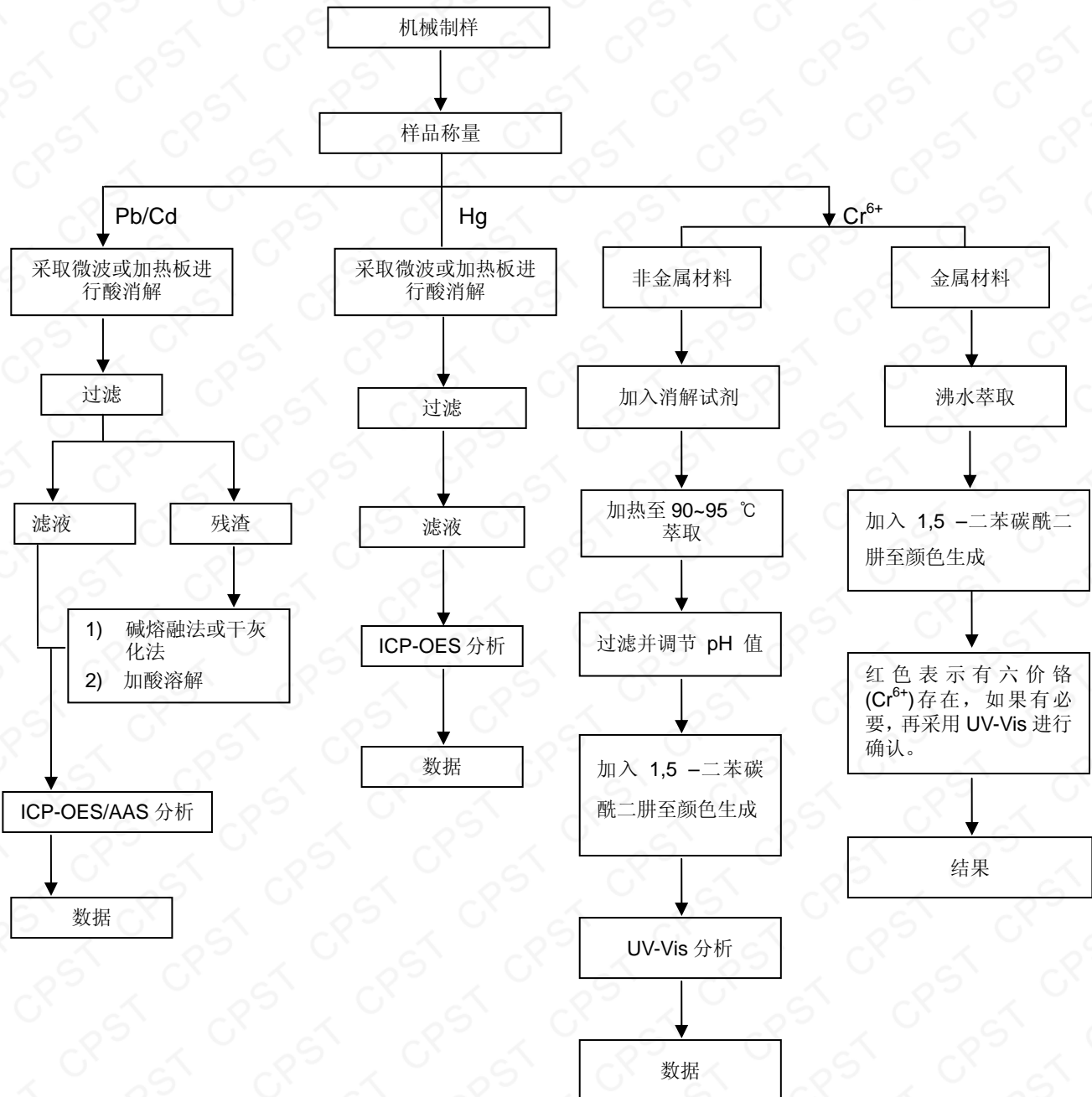
- 1) Name of the person who made measurement: Alan Guo
- 2) Name of the person in charge of measurement: Cheryl Li
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)



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Pb/Cd/Hg/Cr⁶⁺ 测试流程图

- 1) 分析人员: 郭剑锋
- 2) 监督人员: 李慧莲
- 3) 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)。

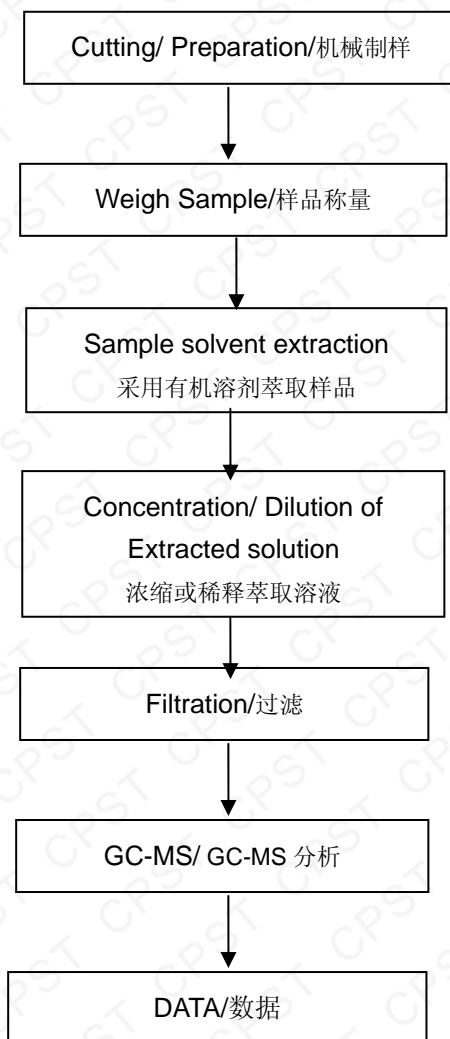


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PBBs/PBDEs Testing Flow Chart

多溴联苯/多溴联苯醚 测试流程图

- 1) Name of the person who made measurement: Anndy Wang
分析人员: 王光宇
- 2) Name of the person in charge of measurement: Cheryl Li
监督人员: 李慧莲

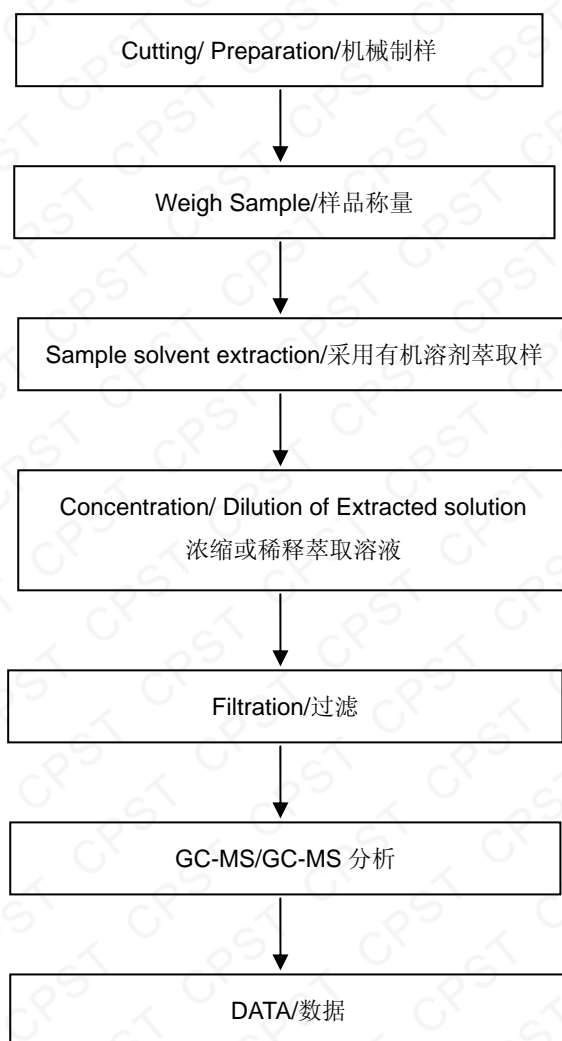


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Phthalates Testing Flow Chart

邻苯二甲酸酯 测试流程图

- 1) Name of the person who made measurement: Anndy Wang
分析人员: 王光宇
- 2) Name of the person in charge of measurement: Cheryl Li
监督人员: 李慧莲

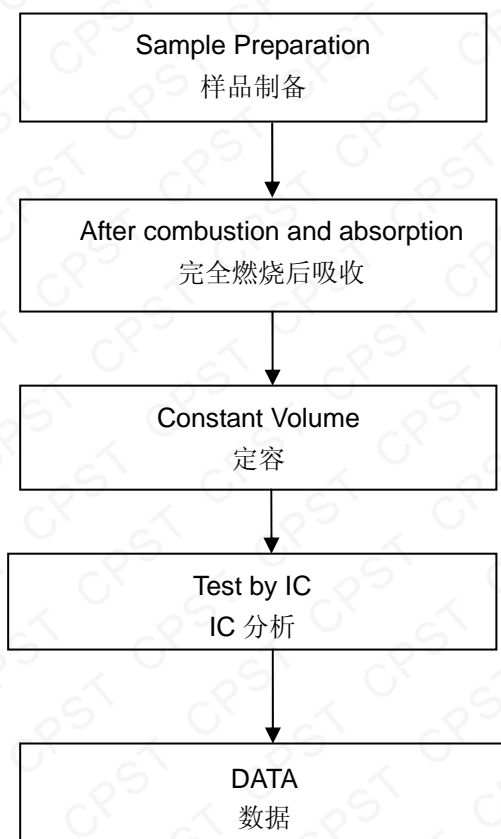


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Halogens Testing Flow Chart

卤素测试流程图

- 1) Name of the person who made measurement: Anndy Wang
分析人员: 王光宇
- 2) Name of the person in charge of measurement: Cheryl Li
监督人员: 李慧莲

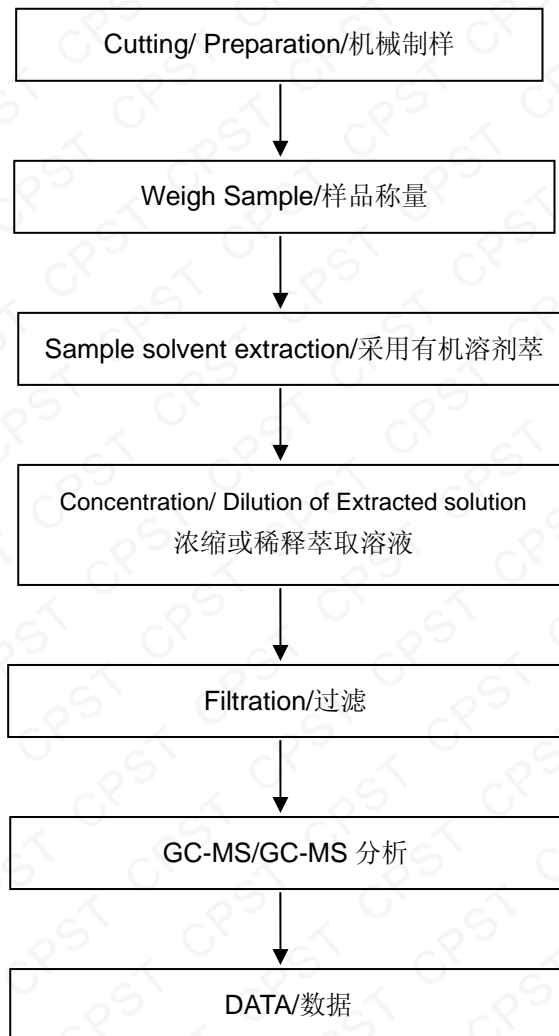


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Phthalates Testing Flow Chart

邻苯二甲酸酯 测试流程图

- 1) Name of the person who made measurement: Anndy Wang
分析人员: 王光宇
- 2) Name of the person in charge of measurement: Cheryl Li
监督人员: 李慧莲



*** End of Report ***

*** 报告结束 ***

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