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关注谱尼测试

测试报告 (Test Report) 报告编号(NO.): MRCNHW1G4812657D3 签发日期(Issued Date): 2023-11-20 Page 1 of 7

委托单位 Applicant:

张家港尚讯新材料科技有限公司
Zhangjiagang shangxun New Material Technology Co.,Ltd.

地址 Address:

张家港金港镇澄杨路 5 号 13 栋
Building 13, No.5 Chengyang Road, Jingang Town, Zhangjiagang City

委托单位提供样品信息如下:

The following sample(s) was/were submitted and identified on behalf of the client as:

样品名称 Sample Name: 铝塑复合带 Aluminum plastic composite

样品型号 Sample Model: 0.205mm

制造商 Manufacturer: 张家港尚讯新材料科技有限公司

Zhangjiagang shangxun New Material technology Co.,Ltd.

测试部位 Test Component:

请参见结果页 See the Results Page

样品接收日期 Sample Received Date:

2023-11-15

样品测试日期 Testing Period:

2023-11-15 ~ 2023-11-20

测试项目:

(1) 铅,镉,汞,六价铬,多溴联苯,多溴二苯醚

(2) 邻苯二甲酸酯类

Test Items:

(1) Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs

(2) Phthalates

参考要求:

RoHS 2011/65/EU 及修订指令(EU)2015/863 附录 II 的要求

Reference Requested:

RoHS Directive 2011/65/EU & (EU)2015/863 Annex II

参考方法 Reference Method:

请参见下页 Please refer to next page(s)

测试结果 Testing Results:

请参见下页 Please refer to next page(s)

批准人 Approved by:

毛祖青



微信扫一扫, 使用小程序

小程序扫一扫, 在线验证

Code: xhcgp6n8jp



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PONY-BGLS186-03C-003-2021A

谱尼测试集团深圳有限公司

公司地址: 深圳市宝安区福海街道桥头社区永和路鑫豪盛工业园 1 栋、2 栋 3 层

检测地址: 深圳市宝安区福海街道桥头社区永和路鑫豪盛工业园 1 栋、2 栋 3 层

电话: 0755-26050909

传真: 0755-26068336



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测试清单 Test List:

序号 No.	测试项目 Test Items	参考方法 Reference Method	主要仪器 Equipment
(1)	铅 Pb	IEC62321-5 Edition 1.0:2013	原子吸收光谱仪 AAS
	镉 Cd		原子吸收光谱仪 AAS
	汞 Hg	IEC 62321-4:2013+AMD1:2017 CSV	电感耦合等离子体发射光谱仪 ICP-OES
	六价铬 Cr ⁶⁺	IEC 62321-7-1 Edition 1.0:2015	紫外-可见分光光度计 UV-Vis
	多溴联苯, 多溴二苯醚 PBBs, PBDEs	IEC 62321-6 Edition 1.0:2015	气相色谱质谱联用仪 GC-MS
(2)	邻苯二甲酸酯类 Phthalates	IEC 62321-8 Edition 1.0:2017	气相色谱质谱联用仪 GC-MS





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测试结果 Test Results (Unit: mg/kg)

测试项目 Test Item	方法检出限 MDL	测试结果 Test Result		RoHS 限量 RoHS Limit
		G4812657D3-1 镀层	G4812657D3-2 基材	
铅 (Lead)	1	未检出 (N.D.)	未检出 (N.D.)	1000
镉 (Cadmium)	1	未检出 (N.D.)	未检出 (N.D.)	100
汞 (Mercury)	1	未检出 (N.D.)	未检出 (N.D.)	1000
六价铬 (Hexavalent Chromium)	参见备注(6) See Note (6)	阴性(Negative)	阴性(Negative)	—
多溴联苯之和(Sum of PBBs)	—	未检出 (N.D.)	未检出 (N.D.)	1000
一溴联苯(Bromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
二溴联苯(Dibromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
三溴联苯(Tribromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
四溴联苯(Tetrabromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
五溴联苯(Pentabromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
六溴联苯(Hexabromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
七溴联苯(Heptabromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
八溴联苯(Octabromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
九溴联苯(Nonabromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
十溴联苯(Decabromobiphenyl)	5	未检出 (N.D.)	未检出 (N.D.)	—
多溴二苯醚之和(Sum of PBDEs)	—	未检出 (N.D.)	未检出 (N.D.)	1000
一溴二苯醚(Bromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
二溴二苯醚(Dibromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
三溴二苯醚(Tribromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
四溴二苯醚(Tetrabromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
五溴二苯醚(Pentabromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
六溴二苯醚(Hexabromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
七溴二苯醚(Heptabromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
八溴二苯醚(Octabromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
九溴二苯醚(Nonabromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—
十溴二苯醚(Decabromodiphenyl ether)	5	未检出 (N.D.)	未检出 (N.D.)	—

备注 Note: (1) mg/kg = ppm

- (2) “—” = 未规定 Does not stipulate
- (3) N.D. = 未检出 Not Detected (<MDL)
- (4) MDL = 方法检出限 Method Detection Limit
- (5) 最大允许极限值引用 RoHS 2011/65/EU 及修订指令(EU)2015/863 附录 II 的要求
The most allowable limit value reference to RoHS Directive 2011/65/EU & (EU)2015/863 Annex II
- (6) 沸水萃取测试 Boiling water extraction test:
 - <0.10 µg/cm² 以阴性表示, 即镀层中不存在六价铬
<0.10 µg/cm² expressed as “negative” results, indicates without hexavalent chromium in the plating
 - 0.10 µg/cm² ~0.13 µg/cm² 无法判定镀层中是否存在六价铬, 需进一步确定。
0.10 µg/cm²~0.13 µg/cm² expressed as “not confirmative”, indicates that it can not be confirmative for the presence of hexavalent chromium in the plating, further test is needed.
 - >0.13 µg/cm² 以阳性表示, 即镀层中存在六价铬。
>0.13 µg/cm² expressed as “positive”, indicates that hexavalent chromium is detected in the plating.





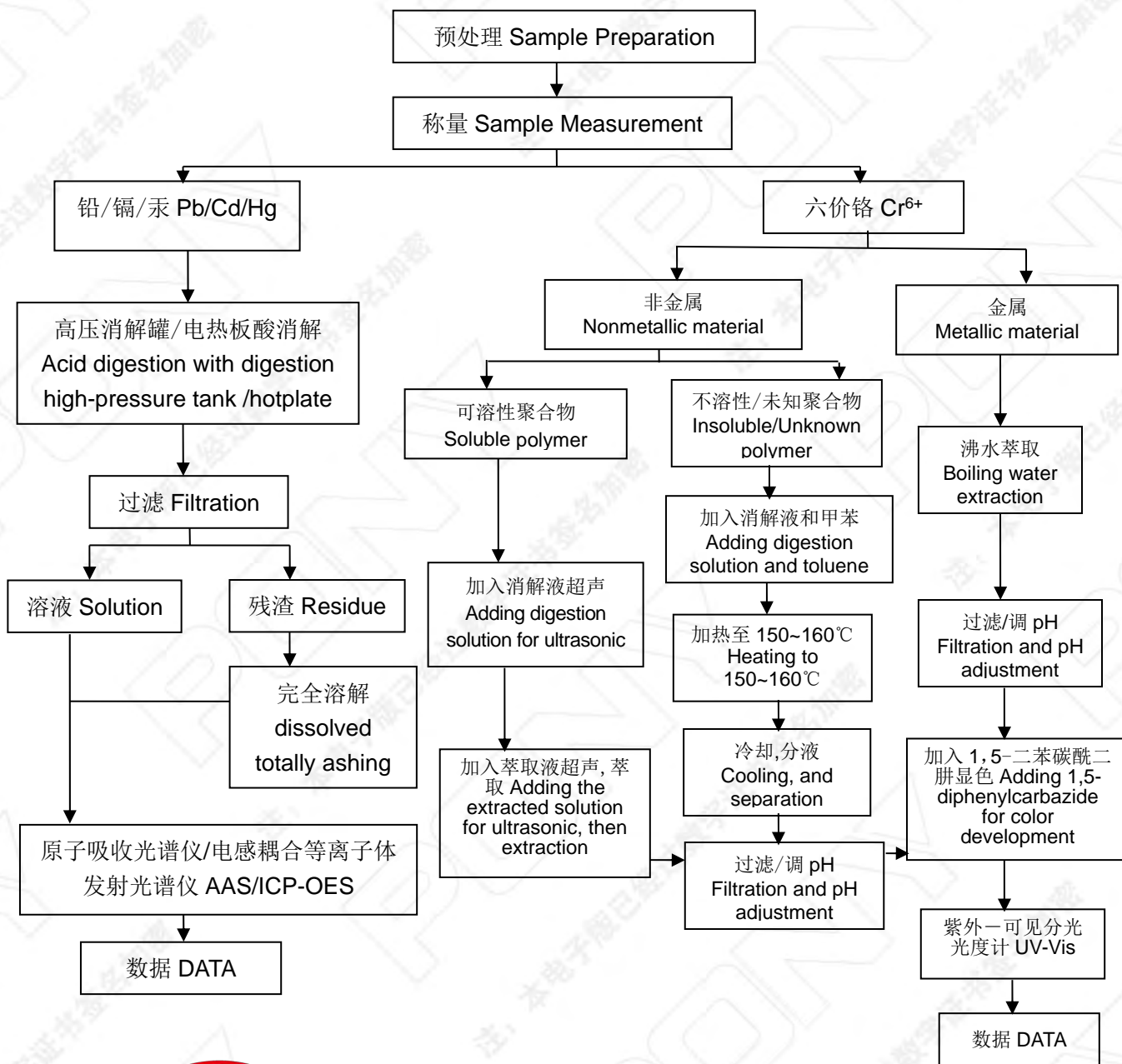
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RoHS 测试流程图 RoHS Measurement Flow-chart

测试人员 Tested By: 熊程红 审核人 Checked by: 彭平平 实验室负责人 Person in charge of the lab by: 毛祖青
样品按照下述流程被完全消解 (六价铬除外)。

These Samples Were Dissolved Totally By Pre-conditioning Method According To Below Flow Chart. (Cr⁶⁺ Test Method Excluded)

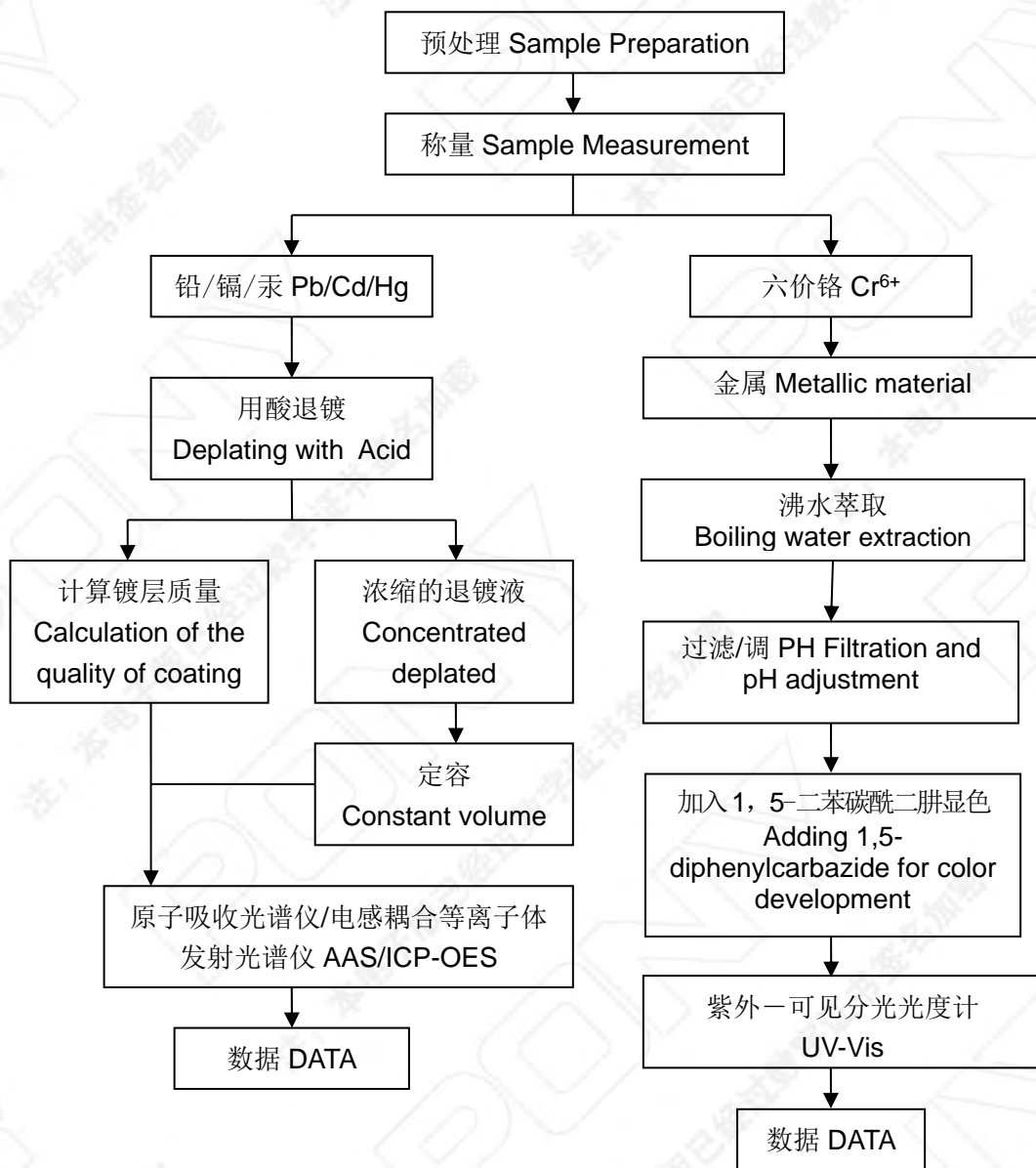




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镀层 测试流程图 Plating Measurement Flow-chart

测试人员Tested By: 熊程红 审核人Checked by: 彭平平 实验室负责人Person in charge of the lab by: 毛祖青

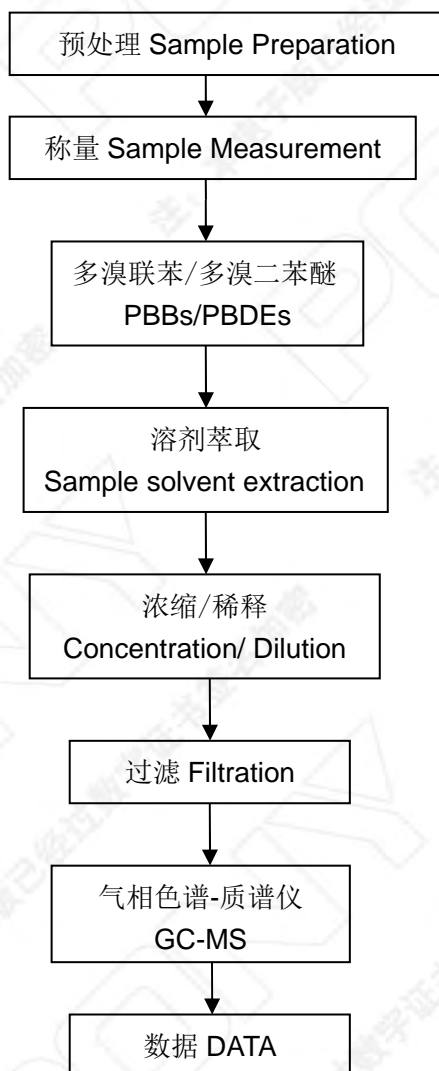




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测试流程图 Measurement Flow-chart

测试人员Tested By: 江月娇 审核人Checked by: 彭平平 实验室负责人Person in charge of the lab by: 毛祖青

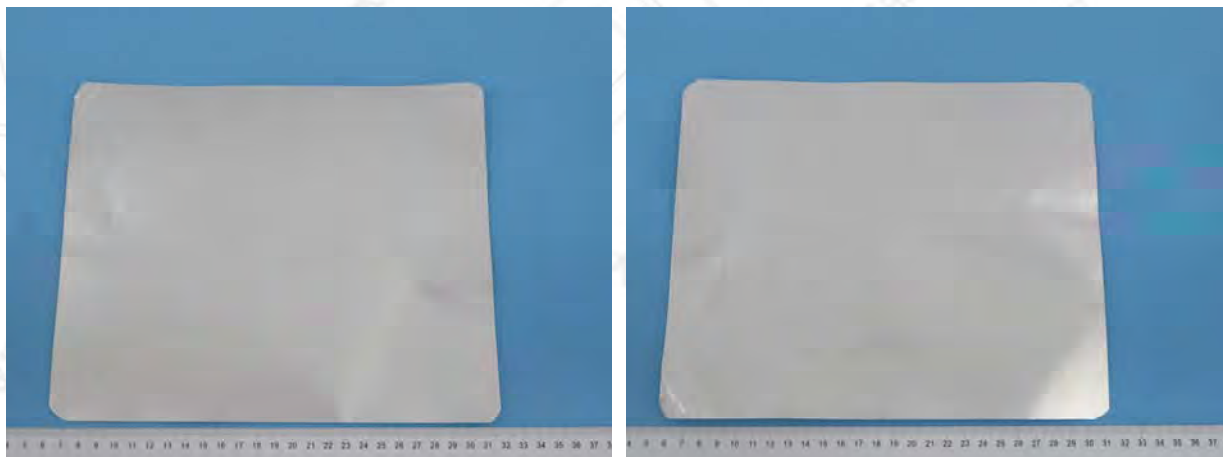




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样品编号和照片 Sample No. & Photo: G4812657D3



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报告结束 End of Report

