

测试报告

No. SHAEC1516821306

日期: 2015年08月26日 第1页,共5页

中核华原（上海）钛白有限公司（安徽金星钛白（集团）有限公司，无锡豪普钛业有限公司）

上海市浦东新区祖冲之路2290弄展想广场1001室（安徽省马鞍山市慈湖经济开发区新化路1号，无锡市锡山区锡北镇张泾工业园）

以下测试之样品是由申请者所提供及确认：二氧化钛

SGS工作编号： SP15-027813 - SH

型号： R-215

客户参考信息： R-216,R-217,R-218,R-219,R-915,R-916,R-918,R-919,RM-1

样品接收日期： 2015年08月20日

测试周期： 2015年08月20日 - 2015年08月26日

测试要求： 根据客户要求测试

测试方法： 请参见下一页

测试结果： 请参见下一页

结论： 基于所送样品进行的测试，镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)的测试结果符合欧盟RoHS指令2002/95/EC的重订指令2011/65/EU附录II的限值要求

通标标准技术服务（上海）有限公司
授权签名

马广媛

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批准签署人

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测试结果:

测试样品描述:

样品编号	SGS样品ID	描述
SN1	SHA15-168213.002	白色粉末

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

RoHS指令2011/65/EU

- 测试方法:
- (1) 参考IEC 62321-5:2013, 用ICP-OES测定镉的含量
 - (2) 参考IEC 62321-5:2013, 用ICP-OES测定铅的含量
 - (3) 参考IEC 62321-4:2013, 用ICP-OES测定汞的含量
 - (4) 参考IEC 62321:2008, 用紫外-可见分光光度计比色法测定六价的含量
 - (5) 参考IEC 62321-6:2015, 用GC-MS测定PBBs(多溴联苯)和PBDEs(多溴二苯醚) 的含量

测试项目	限值	单位	MDL	002
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬(CrVI)	1000	mg/kg	2	ND
多溴联苯之和(PBBs)	1000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND



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测试项目	限值	单位	MDL	002
四溴二苯醚	-	mg/kg	5	ND
五溴二苯醚	-	mg/kg	5	ND
六溴二苯醚	-	mg/kg	5	ND
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND

备注:

(1) 最大允许极限值引用自指令2011/65/EU附录II.

美国材料与试验协会-ASTM F 963-11 - 基材中的总铅含量

测试方法: 参照CPSC试验方法: CPSC Test Method: CPSC-CH-E1002-08.3., 采用AAS进行分析.

测试项目	限值	单位	MDL	002
铅 (Pb)	100	mg/kg	20	ND

美国材料与试验协会-ASTM F 963-11 - 基材/油墨或涂层中的可溶性重金属含量

测试方法: 可溶性重金属含量(目录4.3.5)- 根据ASTM F 963-11 (目录8.3)样品用稀盐酸萃取,采用ICP-OES进行分析.

测试项目	限值	单位	MDL	002
可溶性铅(Pb)	90	mg/kg	5	ND
可溶性锑(Sb)	60	mg/kg	5	ND
可溶性砷(As)	25	mg/kg	2.5	ND
可溶性钡(Ba)	1000	mg/kg	10	ND
可溶性镉(Cd)	75	mg/kg	5	ND
可溶性铬(Cr)	60	mg/kg	5	ND
可溶性汞(Hg)	60	mg/kg	5	ND
可溶性硒(Se)	500	mg/kg	10	ND

备注:

(1) 结果经分析调整.



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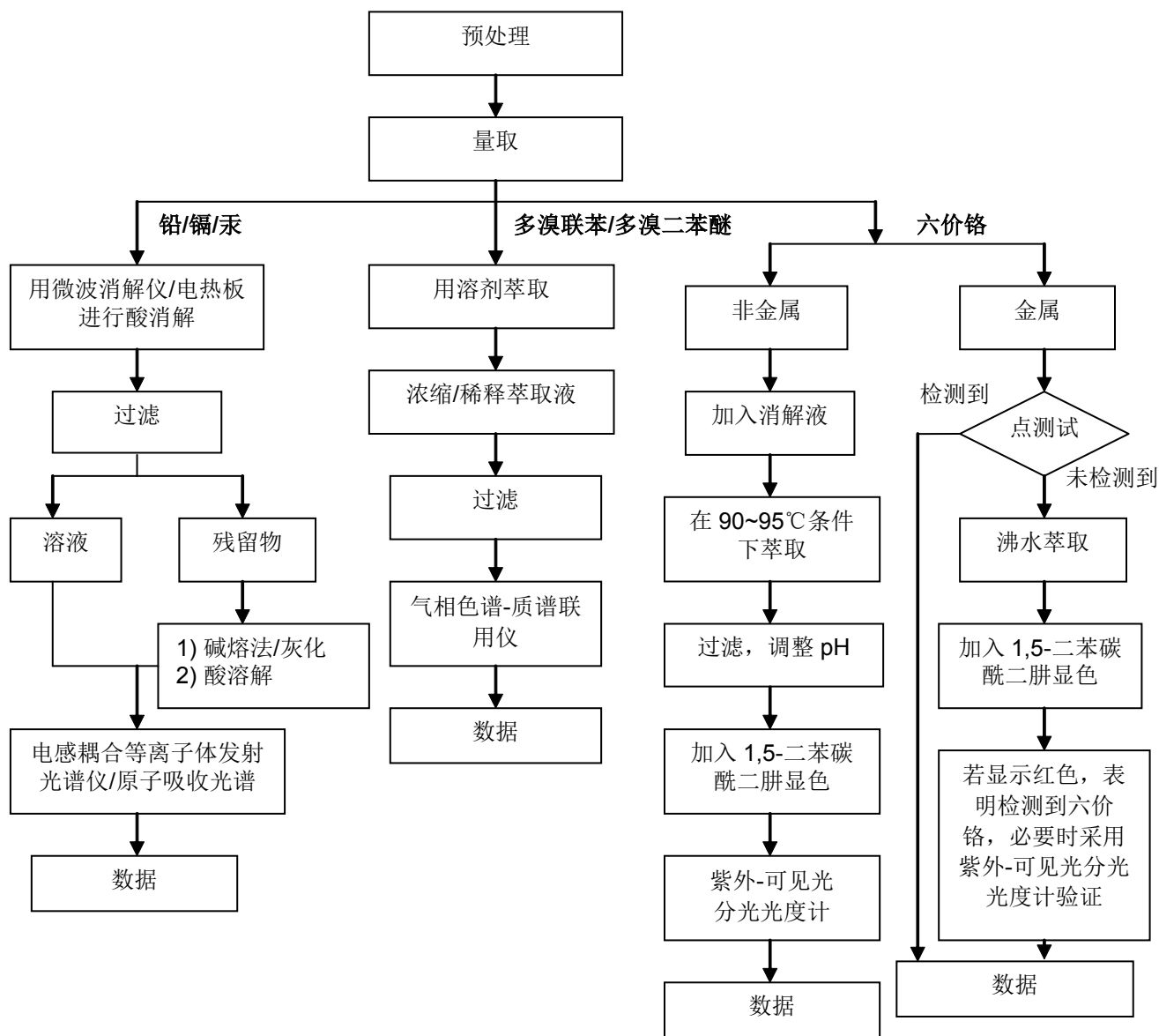
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附件

RoHS 测试流程图

- 1) 分析人员: 张小波/徐刚/朱增珍/秦兴章
- 2) 项目负责人: 施青/金黎霞/黄婷/陈怀磊
- 3) 样品按照下述流程被完全消解(六价铬和多溴联苯/多溴二苯醚测试除外)。



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样品照片:



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