

## 测试报告

No. SHAEC1111690822

日期: 2011年07月26日

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宁波中华纸业有限公司

浙江省宁波市海曙区段塘镇丁家街108号

以下测试之样品是由申请者所提供及确认: DC1: 单面涂布灰底白纸板

SGS工作编号: SP11-022833 - SH

样品接收日期: 2011年07月21日

测试周期: 2011年07月21日 - 2011年07月26日

测试要求: 根据客户要求测试

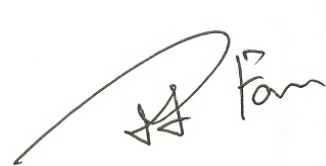
测试方法: 请参见下一页

测试结果: 请参见下一页

结论: 基于所送样品进行的测试, 测试结果与欧盟RoHS指令2002/95/EC以及后续修正指令的要求相符

通标标准技术服务有限公司

授权签名



Fan Jingjie, JJ 范晶捷

批准签署人

本报告是发布日期为2011年07月26日编号为SHAEC1111690821 英文检测报告的中文译本。如有异议, 以英文版本为准。

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测试结果:

样品部件外观描述:

样品编号	SGS样品ID	描述
1	SHA11-116908.011	白色纸

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = 检测极限值
- (3) ND = 未检出 ( < MDL )
- (4) "-" = 未规定

### RoHS指令2002/95/EC

测试方法: 参照IEC 62321:2008:

- (1) 用ICP-OES测定镉的含量.
- (2) 用ICP-OES测定铅的含量.
- (3) 用ICP-OES测定汞的含量.
- (4) 用紫外-可见分光光度计比色法测定六价铬的含量.
- (5) 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	011
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1,000	mg/kg	2	ND
汞(Hg)	1,000	mg/kg	2	ND
六价铬(CrVI)	1,000	mg/kg	2	ND
多溴联苯之和(PBBs)	1,000	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)	1,000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND

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测试项目	限值	单位	MDL	011
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
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2002/95/EC RoHS 指令和后续修正指令2005/618/EC.

### 可萃取甲醛

测试方法: 参照 EN 645:1993 (冷水萃取)方法测定, 采用UV-Vis进行分析.

测试项目	单位	MDL	011
甲醛	mg/kg	5	ND

### 四溴双酚-A

测试方法: 参照US EPA 3550C: 2007 方法测定, 采用GC-MS进行分析.

测试项目	单位	MDL	011
四溴双酚-A	mg/kg	10	ND

### 全氟辛烷磺酰基化合物(PFOS)和全氟辛酸(PFOA)

测试方法: 参照US EPA 3550C: 2007 方法测定, 采用HPLC-MS进行分析.

测试项目	单位	MDL	011
全氟辛烷磺酰基化合物 (PFOS)- 酸,金属盐和酰胺	mg/kg	10	ND
全氟辛酸 (PFOA)	mg/kg	10	ND

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备注:

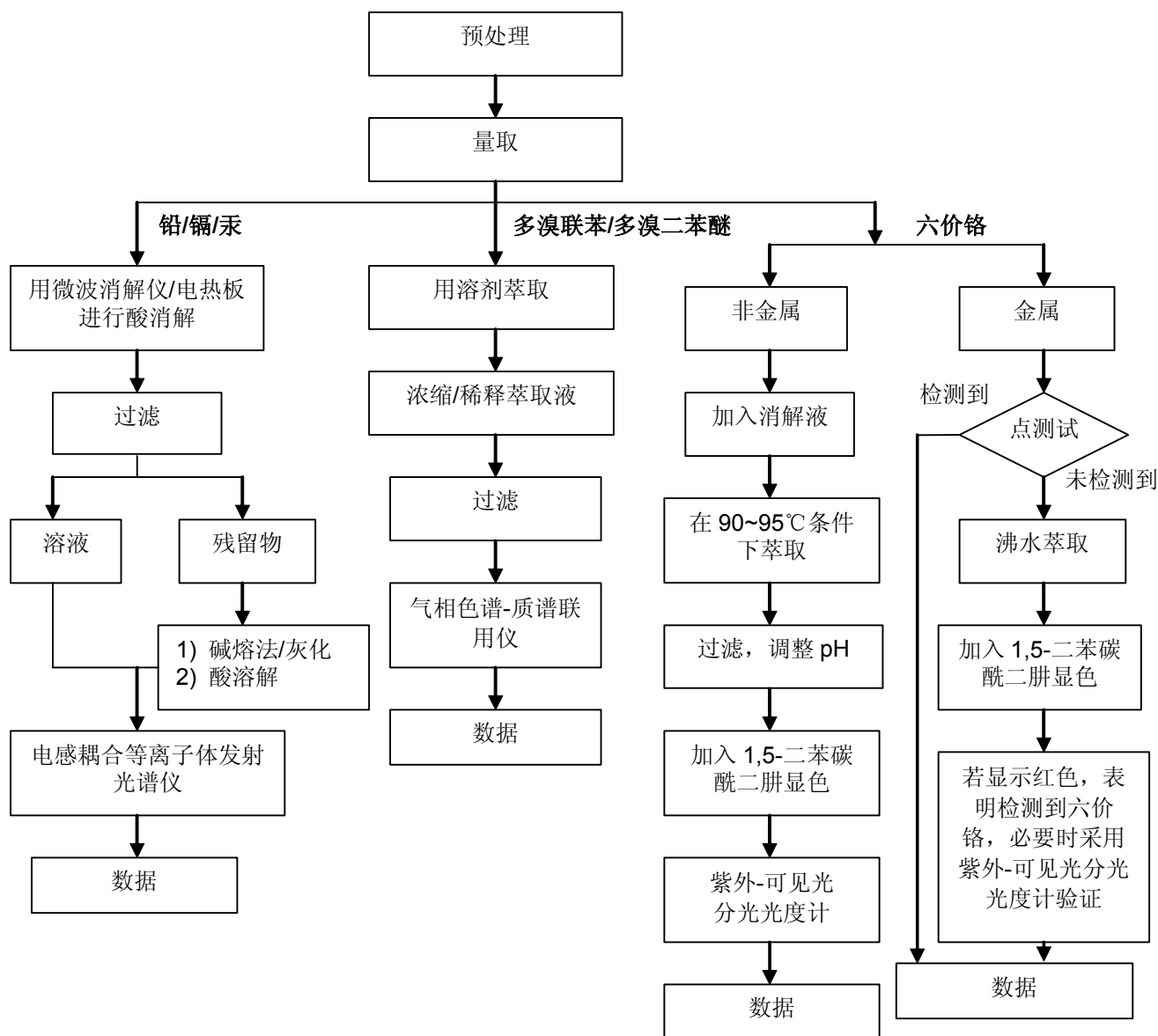
- (1) PFOS 参考信息: 1907/2006/EC Reach 附录XVII的修正指令——552/2009/EC 第53条 (前身为2006/122/EC)
    - (i) PFOS作为纯物质或者制备原料时,若浓度大于等于0.005%(重量)则不可以投放市场。
    - (ii) PFOS用于半成品、成品或零部件时,若浓度大于等于0.1%(参照明确含有PFOS结构或者微结构部分重量计算)则不可以投放市场; 对于纺织品或其它涂层材料, 若PFOS的含量大于或等于1 $\mu\text{g}/\text{m}^2$ (相对于涂层部分)则不可以投放市场。
- 详细信息请参见Regulation (EC) No 552/2009

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附件

## RoHS 测试流程图

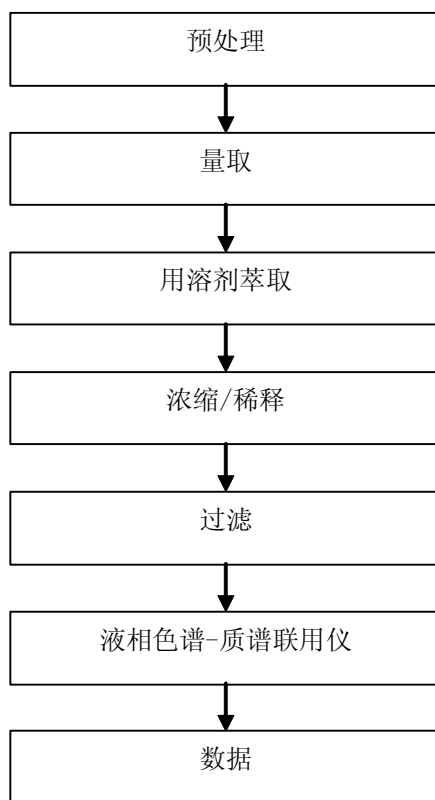
- 1) 分析人员: 施青/王彦青/肖飞/徐刚
- 2) 项目负责人: 张春华/徐亮/林以琳
- 3) 样品按照下述流程被完全消解(六价铬和多溴联苯/多溴二苯醚测试除外)。





## PFOS/PFOA 测试流程图

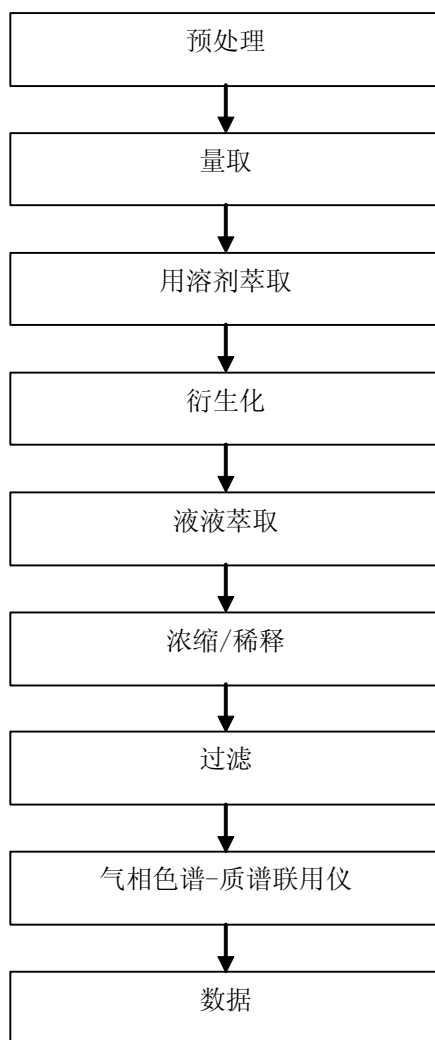
- 1) 分析人员: 李晓茹
- 2) 项目负责人: 李丹



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## TBBP-A 测试流程图

- 1) 分析人员: 徐刚
- 2) 项目负责人: 林以琳



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样品照片:



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\*\*\* 报告完 \*\*\*

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