

测试报告

No. SHAEC1201026804

日期: 2012年02月07日 第1页,共9页

美德维实伟克

上海市虹桥路1号港汇中心1座21楼

以下测试之样品是由申请者所提供及确认:白卡纸

SGS工作编号: SP12-001693 - SH

型号: 美强白卡

买家: 全球客户

成分: 树木纤维

供应商: 美德维实伟克

样品接收日期: 2012年02月03日

测试周期: 2012年02月03日 - 2012年02月07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(PBB)、多溴二苯醚(PBDE)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

通标标准技术服务有限公司

授权签名

Zheng Xi, Cici 郑熙

批准签署人

本报告是发布日期为2012年02月07日编号为SHAEC1201026803 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	SHA12-010268.002	白色纸

备注:

- (1) 1 mg/kg = 1 ppm = 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: 参考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	002
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	002
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指令2011/65/EU附录II.

卤素

测试方法: 参照EN 14582:2007方法测定,采用IC进行分析.

测试项目	单位	MDL	002
氟(F)	mg/kg	50	ND
氯(Cl)	mg/kg	50	310
溴(Br)	mg/kg	50	ND
碘(I)	mg/kg	50	ND

邻苯二甲酸盐(或酯)

测试方法: 参照EN 14372: 2004的方法测定,采用GC-MS进行分析.

测试项目	单位	MDL	002
邻苯二甲酸二丁酯(DBP)	%	0.003	ND
邻苯二甲酸丁苄酯(BBP)	%	0.003	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	%	0.003	ND
邻苯二甲酸二异壬酯(DINP)	%	0.010	ND
邻苯二甲酸二正辛酯(DNOP)	%	0.003	ND
邻苯二甲酸二异癸酯(DIDP)	%	0.010	ND

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(1) DBP, BBP, DEHP 参考信息: 1907/2006/EC Reach 附录XVII的修正指令——552/2009/EC 第51条 (前身为2005/84/EC) 的要求:

- i) 不允许DBP, BBP, DEHP 质量浓度高于0.1%的可塑性物料用于玩具和儿童护理品.
- ii) 当玩具和儿童护理品中的可塑性物料含DBP, BBP, DEHP 质量浓度高于0.1%时,不得投放市场. 详细信息请参见Regulation (EC) No 552/2009

DINP, DNOP, DIDP 参考信息: 1907/2006/EC Reach 附录XVII的修正指令——552/2009/EC 第52条 (前身为2005/84/EC) 的要求:

- i) 不允许DINP, DNOP, DIDP 质量浓度高于0.1%的可塑性物料用于可放入儿童口中的玩具和儿童护理品.
- ii) 当可放入儿童口中的玩具和儿童护理品中的可塑性物料含DINP, DNOP, DIDP 质量浓度高于0.1%时,不得投放市场. 详细信息请参见Regulation (EC) No 552/2009

甲醛

测试方法: 参照ISO 17226-1: 2008 方法测定, 采用HPLC-DAD进行分析.

测试项目	单位	MDL	002
甲醛	mg/kg	20	ND

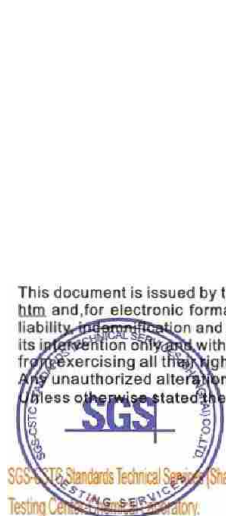
全氟辛烷磺酰基化合物(PFOS)

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	限值	单位	MDL	002
全氟辛烷磺酰基化合物 (PFOS)- 酸,金属盐和酰胺	1,000	mg/kg	10	ND

备注:

最大允许限制引用自欧盟决议EU 757/2010 (前身为1907/2006/EC REACH 附录XVII的修正指令—552/2009/EC第53条) 详细信息请参见Regulation (EC) No 552/2009.

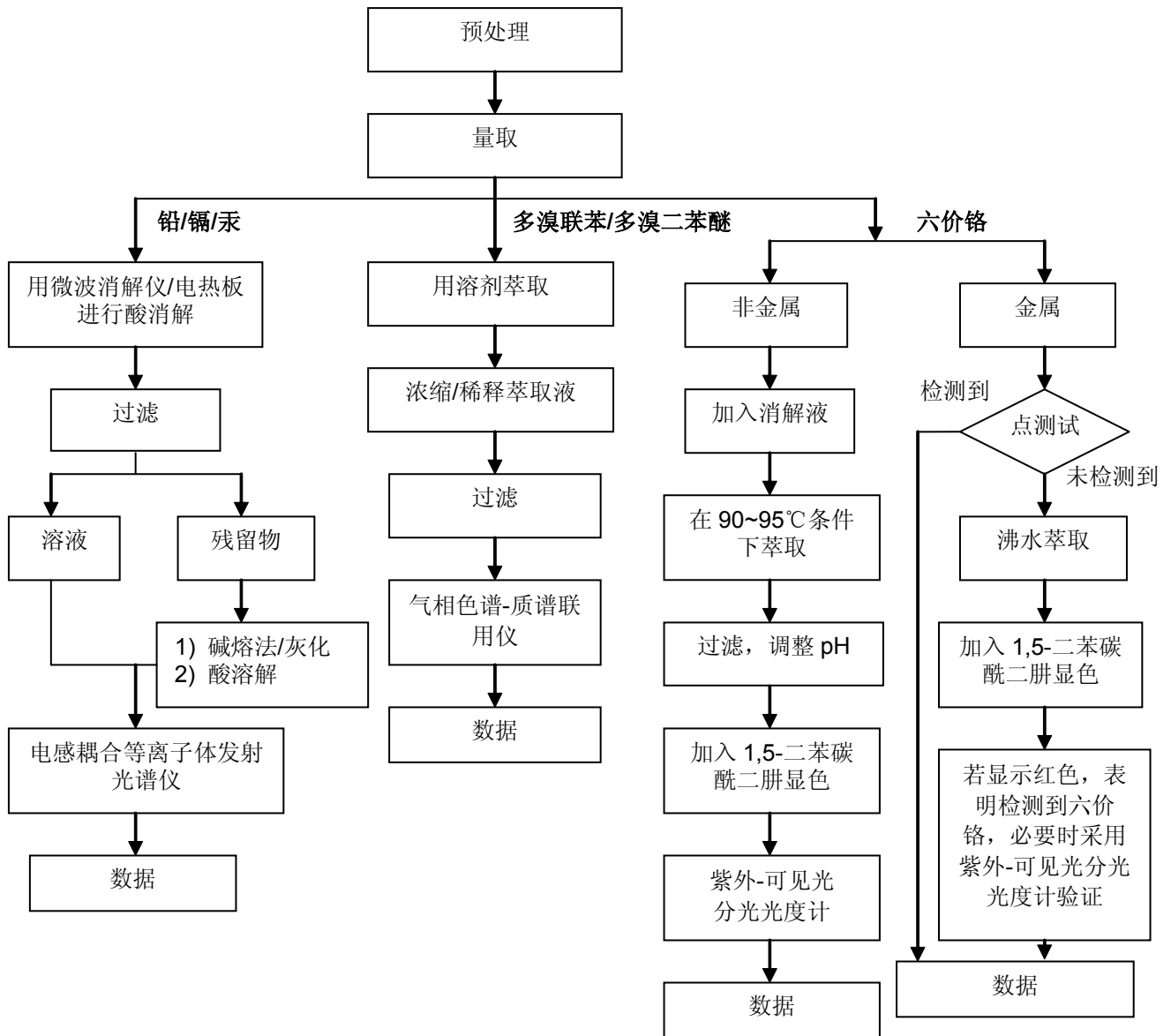


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附件

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)。

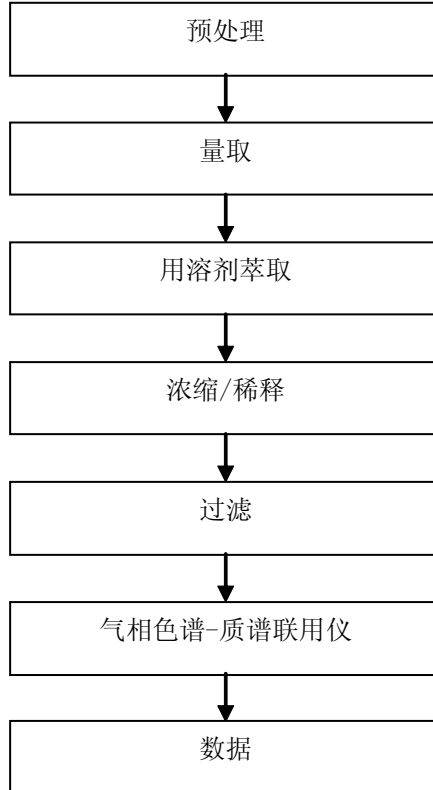


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Phthalates 测试流程图

- 1) 分析人员: 姚霞飞
- 2) 项目负责人: 张玉

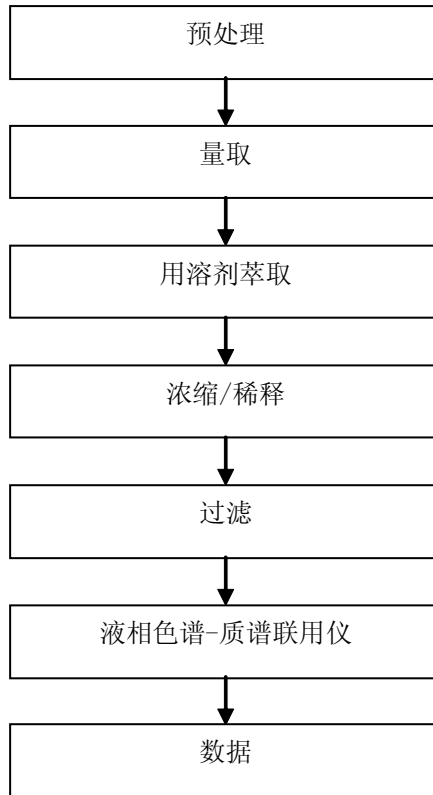


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PFOS 测试流程图

- 1) 分析人员: 李晓茹
- 2) 项目负责人: 李丹

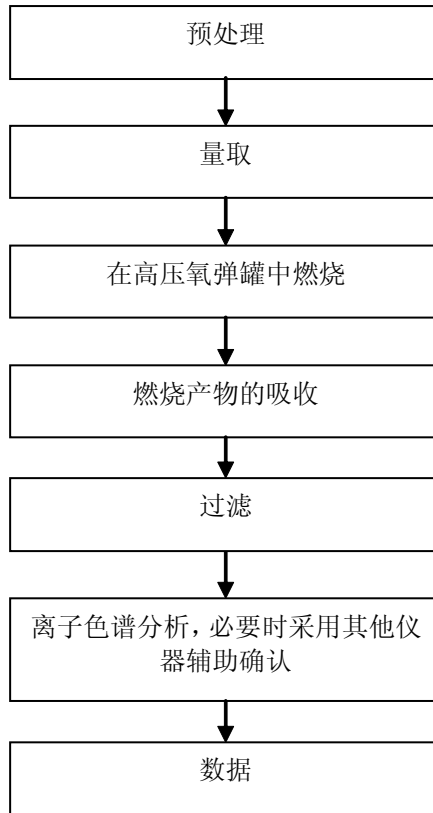


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Halogen 测试流程图

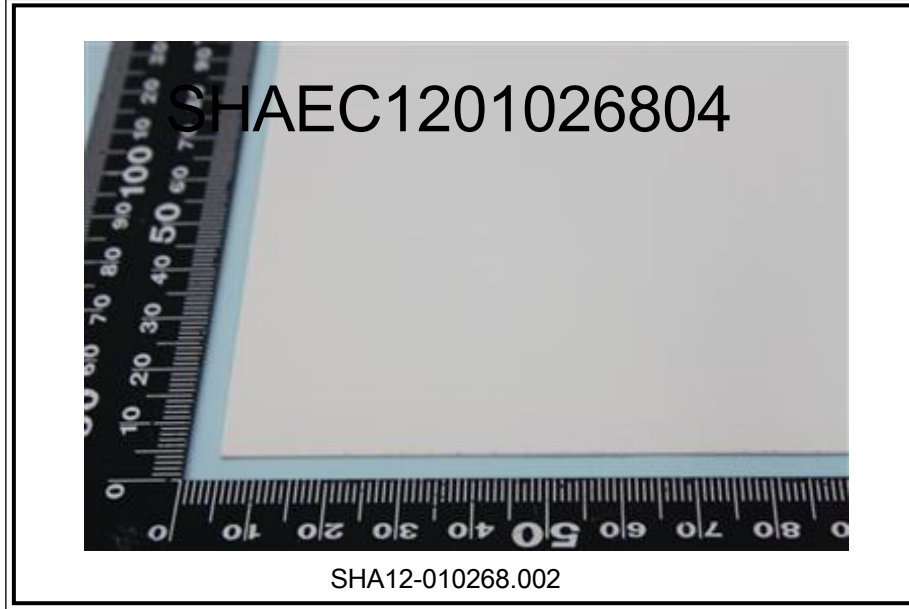
- 1) 分析人员: 印宇
- 2) 项目负责人: 巩东侠



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