

No. TSNEC1300533602

日期: 2013年05月30日

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济南汇百川化工有限公司 中国山东省济南市经济开发区南园国道路6019号

以下测试之样品是由申请者所提供及确认:碳黑

SGS工作编号:

TP13-002672 - TJ

主要成份:

碳

样品接收日期:

2013年05月27日

测试周期:

2013年05月27日 - 2013年05月30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。

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Summer Bai 白林

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 TSN13-005336.001 黑色粉末

备注:

(1) 1 mg/kg = 0.0001%

(2) MDL = 方法检测限

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(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	<u>限值</u>	<u>单位</u>	MDL	<u>001</u>
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	65
汞(Hg)	1000	mg/kg	2	ND
六价铬(Cr(VI))	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

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<u>测试项目</u>	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>	
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.

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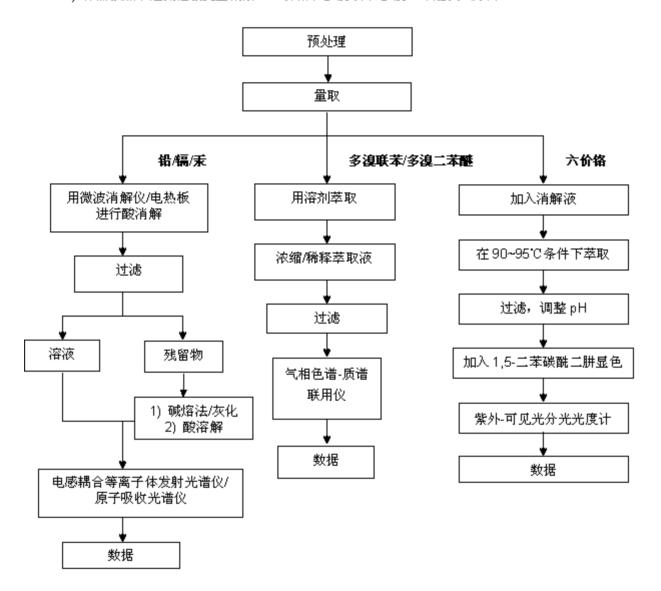
附件

镉俗。示价格多溴联苯多溴二苯醚测试流程图

- 1) 分析人员: 王富强/李忠号/姚凌峰
- 2) 项目负责人: 尹彦欣/朱敏

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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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