

**测试报告** No. SHAEC1305096206 日期: 2013年04月07日 第1页,共6页

多米诺标识科技有限公司 中国上海市浦东金桥出口加工区云桥路1150号

以下测试之样品是由申请者所提供及确认: MC-223BK 印刷油墨 (稀释剂)

SGS工作编号: SP13-008766 - SH

料号:MC-223BK批号:CC000067

样品接收日期: 2013年04月01日

测试周期: 2013年04月01日 - 2013年04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 演参见下一页 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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JJ Fan 范晶捷 批准签署人

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3<sup>r®</sup>Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86–21) 61402553 f E&E (86–21)64953679 HL: (86–21) 61402594 HL: (86–21)54500353



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测试结果:

#### 测试样品描述:

样品编号SGS样品ID描述1SHA13-050962.003蓝黑色液体

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	<u>限值</u>	单位	<u>MDL</u>	<u>003</u>
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

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测试项目	限值	单位	<u>MDL</u>	<u>003</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.

#### 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	<u>单位</u>	<u>MDL</u>	<u>003</u>
氟(F)	mg/kg	50	ND
氯(CI)	mg/kg	50	ND
溴(Br)	mg/kg	50	ND
碘(I)	mg/kg	50	ND

备注:所示结果为湿样品总重量中的含量

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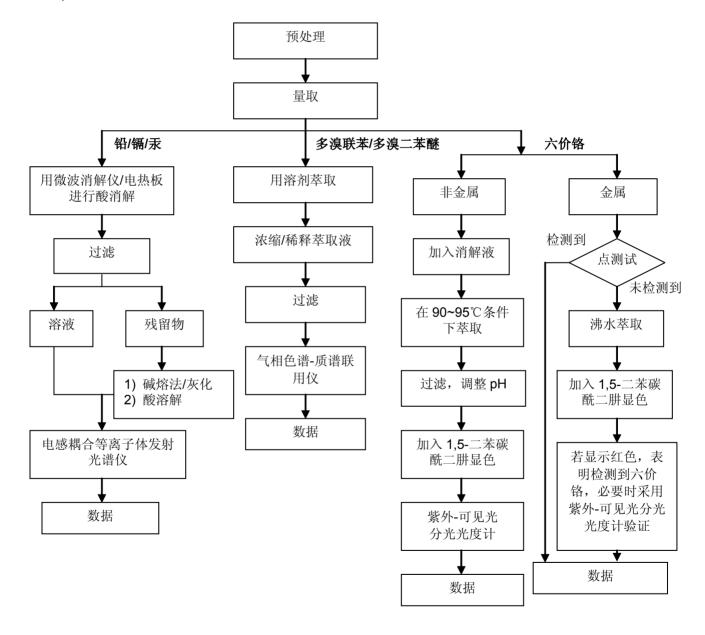
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附件

### 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/李丹
- 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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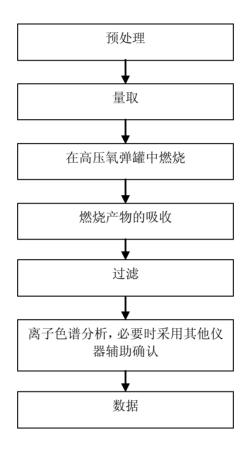
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## Halogen 测试流程图

分析人员: 印字
 项目负责人: 李丹



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