

No. SHAEC1307254214 A01 日期: 2013年05月22日 第1页,共6页

宝山钢铁股份有限公司 上海同济路1800号

此报告替代原来编号为SHAEC1307254214 日期为2013/05/13的报告

以下测试之样品是由申请者所提供及确认:取向硅钢(S涂层)

SGS工作编号: SP13-011722 - SH

样品接收日期: 2013年04月26日

测试周期: 2013年04月26日 - 2013年05月06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: 基于所送样品的指定部位进行的测试,镉、铅、汞、六价铬的测试结果符合欧

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

JJ Fan 范晶捷 批准签署人

本报告是编号为SHAEC1307254213A01报告的中文译本。

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测试结果:

测试样品描述:

样品编号	SGS样品ID	描述
1	SHA13-072542.011	银灰色金属板
2	SHA13-072542.012	银灰色金属板

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2011/65/EU

测试方法: (1) 酸洗脱镀层,参考IEC62321:2008测定镉,铅,汞,用ICP-OES进行分析.

(2) 参照IEC 62321:2008, 用点测试法/紫外-可见分光光度计比色法测定六价铬的含量.

测试项目	限值	<u>单位</u>	<u>MDL</u>	<u>011</u>
铅(Pb)	1000	mg/kg	10	ND
镉(Cd)	100	mg/kg	10	ND
汞(Hg)	1000	mg/kg	10	ND
六价铬(CrVI)	-	-	\Diamond	阴性

备注:

- (1) 最大允许极限值引用自指令2011/65/EU 附录II.
- (2) ◊点测试法:

阴性= 镀层中未检测到六价铬,阳性 = 镀层中检测到六价铬;

(当点测试结果为阴性或无法确定时,将采用沸水萃取法作进一步的结果验证.)

◇沸水萃取法:

阴性 = 镀层中未检测到六价铬

阳性 = 镀层中检测到六价铬; 表明50 cm²表面积的被测试样品的沸水萃取液中六价铬的浓度等于或大于0.02 mg/kg

由于未获知样品的存储条件和生产日期,样品的六价铬测试结果仅能代表测试时样品含六价铬的状态.

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.

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 测试项目
 限值
 单位
 MDL
 012

 全氟辛烷磺酰基化合物 (PFOS)- 酸,金属盐和酰胺
 1
 μg/m²
 1
 ND

 全氟辛酸 (PFOA)
 μg/m²
 1
 ND

备注:

最大允许限制引用自(EC) No. 850/2004的修订指令欧盟决议(EU) No. 757/2010.

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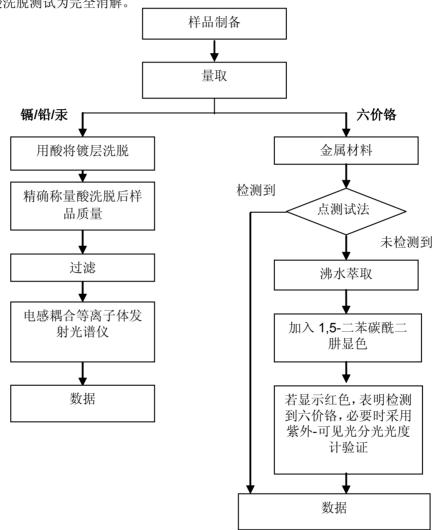
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镀层 Pb/Cd/Hg/Cr⁶⁺测试流程图

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- 2) 项目负责人: 张春华/徐亮
- 3) 铅、镉、汞的酸洗脱测试为完全消解。



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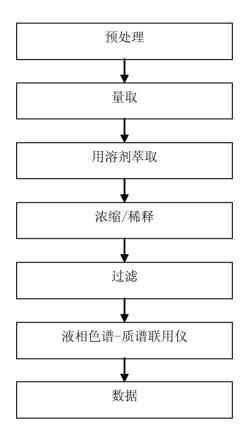
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PFOS/PFOA 测试流程图

1) 分析人员: 李晓茹 2) 项目负责人: 马永存



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