

## 测试报告

No. SHAEC1307267606 A01

日期: 2013年05月22日

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上海梅山钢铁股份有限公司  
江苏省南京市中华门外新建

此报告替代原来编号为SHAEC1307267606 日期为2013/05/15的报告

以下测试之样品是由申请者所提供及确认: 镀铝锌无铬钝化

SGS工作编号: SP13-011742 - 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  
测试结果: 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

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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    | SHA13-072676.004 | 银色金属板 |
| 2    | SHA13-072676.005 | 银色金属板 |

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   | 单位    | MDL | 004 |
|-----------|------|-------|-----|-----|
| 铅(Pb)     | 1000 | mg/kg | 10  | 38  |
| 镉(Cd)     | 100  | mg/kg | 10  | ND  |
| 汞(Hg)     | 1000 | mg/kg | 10  | ND  |
| 六价铬(CrVI) | -    | -     | ◇   | 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 cm<sup>2</sup>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 | 005 |
|-----------------------------|----|-------------------|-----|-----|
| 全氟辛烷磺酰基化合物 (PFOS)- 酸,金属盐和酰胺 | 1  | µg/m <sup>2</sup> | 1   | ND  |
| 全氟辛酸 (PFOA)                 | -  | µg/m <sup>2</sup> | 1   | ND  |

备注:

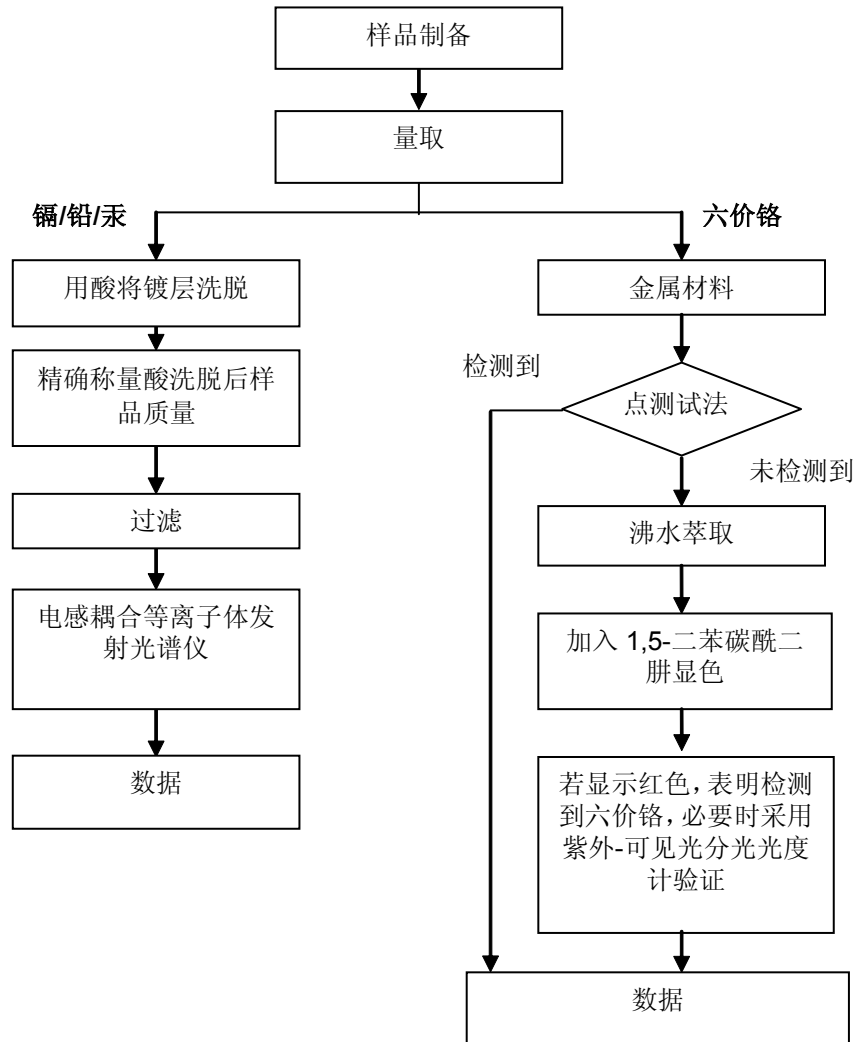
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附件

## 镀层 Pb/Cd/Hg/Cr<sup>6+</sup>测试流程图

- 1) 分析人员: 王彦青/肖飞
- 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。

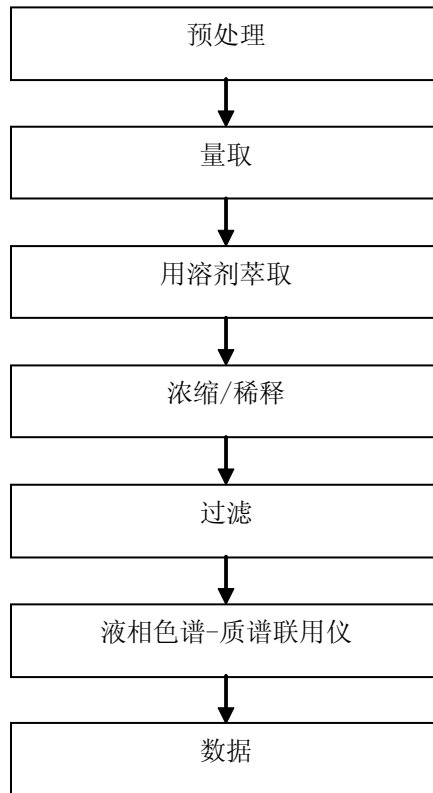


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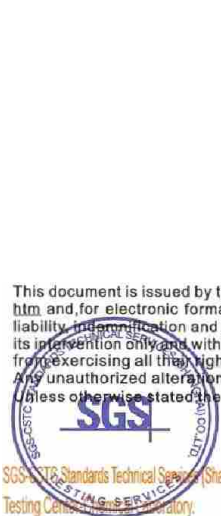


## PFOS/PFOA 测试流程图

- 1) 分析人员: 李晓茹
- 2) 项目负责人: 马永存



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