

测试报告

No. SHAEC1608100302

日期: 2016年05月04日 第1页,共6页

宝山钢铁股份有限公司/宝钢新日铁汽车板有限公司
上海市宝山区漠河路151号

以下测试之样品是由申请者所提供及确认: 冷轧板(涂油)(包括轧硬状态)

SGS工作编号: SP16-013745 - SH
样品接收日期: 2016年04月22日
测试周期: 2016年04月22日 - 2016年04月29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、六价格的测试结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

通标标准技术服务(上海)有限公司
授权签名

Marry Ma 马广媛
报告审核员

本报告是编号为SHAEC1608100301报告的中文版本。



SGS-CSTC (Shanghai) Technical Services (Shanghai) Co., Ltd.
Testing Center-Chenmiao Laboratory

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测试结果:

测试样品描述:

样品编号	SGS样品ID	描述
SN1	SHA16-081003.036	银灰色金属板

备注:

- (1) 1 mg/kg = 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附录II的修正指令(EU) 2015/863

测试方法:

- (1) 参考IEC 62321-5:2013, 用ICP-OES测定镉的含量
- (2) 参考IEC 62321-5:2013, 用AAS测定铅的含量
- (3) 参考IEC 62321-4:2013, 用ICP-OES测定汞的含量
- (4) 参考IEC 62321-7-1:2015, 用紫外-可见分光光度计比色法测定六价格的含量

测试项目	限值	单位	MDL	036
镉 (Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
六价格(Cr(VI))▼	-	µg/cm ²	0.10	ND

备注:

- (1) 最大允许限值引用自RoHS指令(EU) 2015/863.
- (2) ▼ = a. 当六价格的浓度高于0.13 µg/cm²时, 样品为阳性, 即含有六价格;
 b. 当六价格的浓度为ND(低于0.10 µg/cm²)时, 样品为阴性, 即未检测到六价格;
 c. 当六价格的浓度介于0.10 µg/cm²与0.13 µg/cm²之间时, 无法直接判定是否检测到六价格, 因不同个体的样品表面差异可能会影响测定结果;

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

IEC 62321系列等同于 EN 62321系列

http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

全氟辛烷磺酸(PFOS)和全氟辛酸(PFOA)



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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	036
全氟辛烷磺酸 (PFOS)^	1	µg/m ²	1	ND
全氟辛酸(PFOA)	-	µg/m ²	1	ND

备注:

(1) 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.

(2) ^= PFOS包含全氟辛烷磺酸(PFOS), 全氟辛基磺酰胺(PFOSA), 2-(N-乙基全氟辛基磺酰胺)乙醇(EtFOSE), N-甲基全氟辛烷磺酰胺(MeFOSA), N-乙基全氟辛烷磺酰胺(EtFOSA)和2-(N-甲基全氟辛基磺酰胺)乙醇(MeFOSE)。



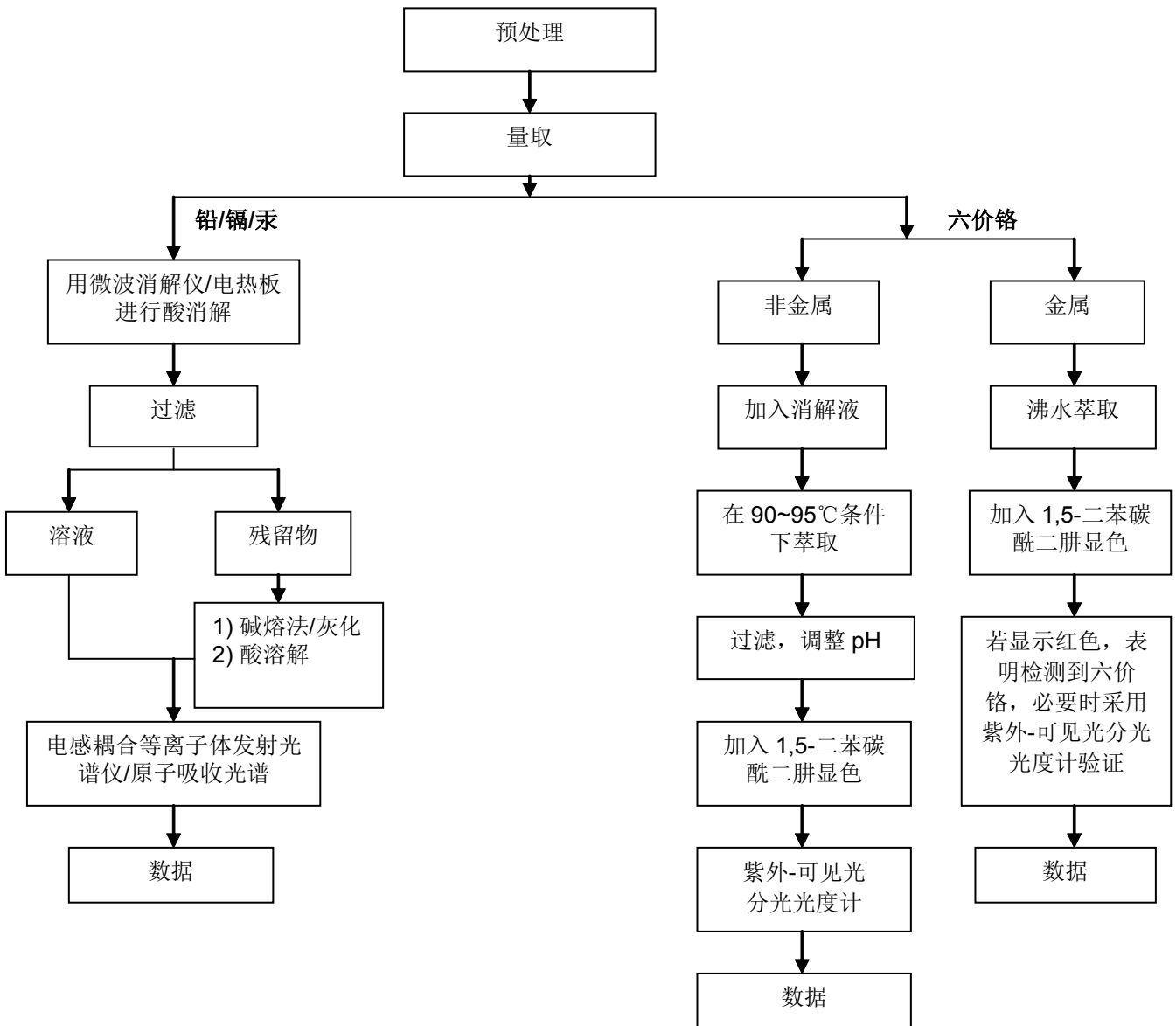
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附件

RoHS 测试流程图

- 1) 分析人员: 李大锐/秦兴章/张世敏
- 2) 项目负责人: 徐亮/施青/陈怀磊
- 3) 样品按照下述流程被完全消解(六价铬测试除外)

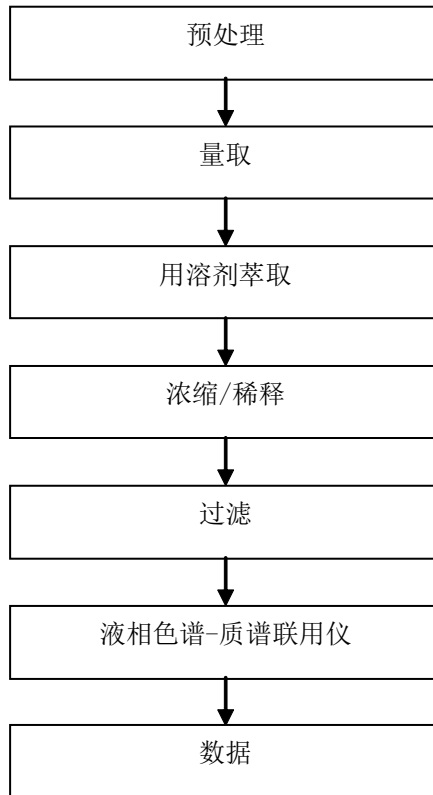


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PFOS/PFOA 测试流程图

- 1) 分析人员: 杨占君
- 2) 项目负责人: 马永存



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*** 报告完 ***



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