

## 测试报告

No. CANML1907311901

日期: 2019年04月30日 第1页,共4页

东莞市锦升发金属材料有限公司

东莞市长安镇宵边大道莞深智造技术装备工业城二期3栋06.07.08号

以下测试之样品是由申请者所提供及确认: H59 黄铜棒

SGS工作编号: SZIN1904005934PC - SZ

材质: H59

规格: Φ9

样品接收日期: 2019年04月25日

测试周期: 2019年04月25日 - 2019年04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。

通标标准技术服务有限公司广州分公司  
授权签名

任婷

Annie Ren任婷  
批准签署人



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Guangzhou Branch Testing Center Chemical 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	CAN19-073119.001	黄铜色金属棒

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附录II的修正指令(EU) 2015/863

测试方法: 参考IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, 采用 ICP-OES 和 UV-Vis 进行分析。

测试项目	限值	单位	MDL	001
镉 (Cd)	100	mg/kg	2	40
铅 (Pb)	1,000	mg/kg	2	35850▲
汞 (Hg)	1,000	mg/kg	2	ND
六价铬(Cr(VI))▼	-	µg/cm <sup>2</sup>	0.10	ND

备注:

- (1) 最大允许极限值引用自RoHS指令(EU) 2015/863。  
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](http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)
- (2) ▼=a. 当六价铬的浓度高于0.13 µg/cm<sup>2</sup>时, 样品为阳性, 即含有六价铬;  
b. 当六价铬的浓度为ND(低于0.10 µg/cm<sup>2</sup>)时, 样品为阴性, 即未检测到六价铬;  
c. 当六价铬的浓度介于0.10 µg/cm<sup>2</sup>与0.13 µg/cm<sup>2</sup>之间时, 无法直接判定是否检测到六价铬, 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, 样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。

备注▲: 根据客户提供的声明, 样品中的铅(Pb)被欧盟RoHS指令2011/65/EU豁免, 相应豁免条文(请以英文原文为准) [ANNEX III 6(c)]: 铜合金中的铅含量不得超过4%。

备注: 检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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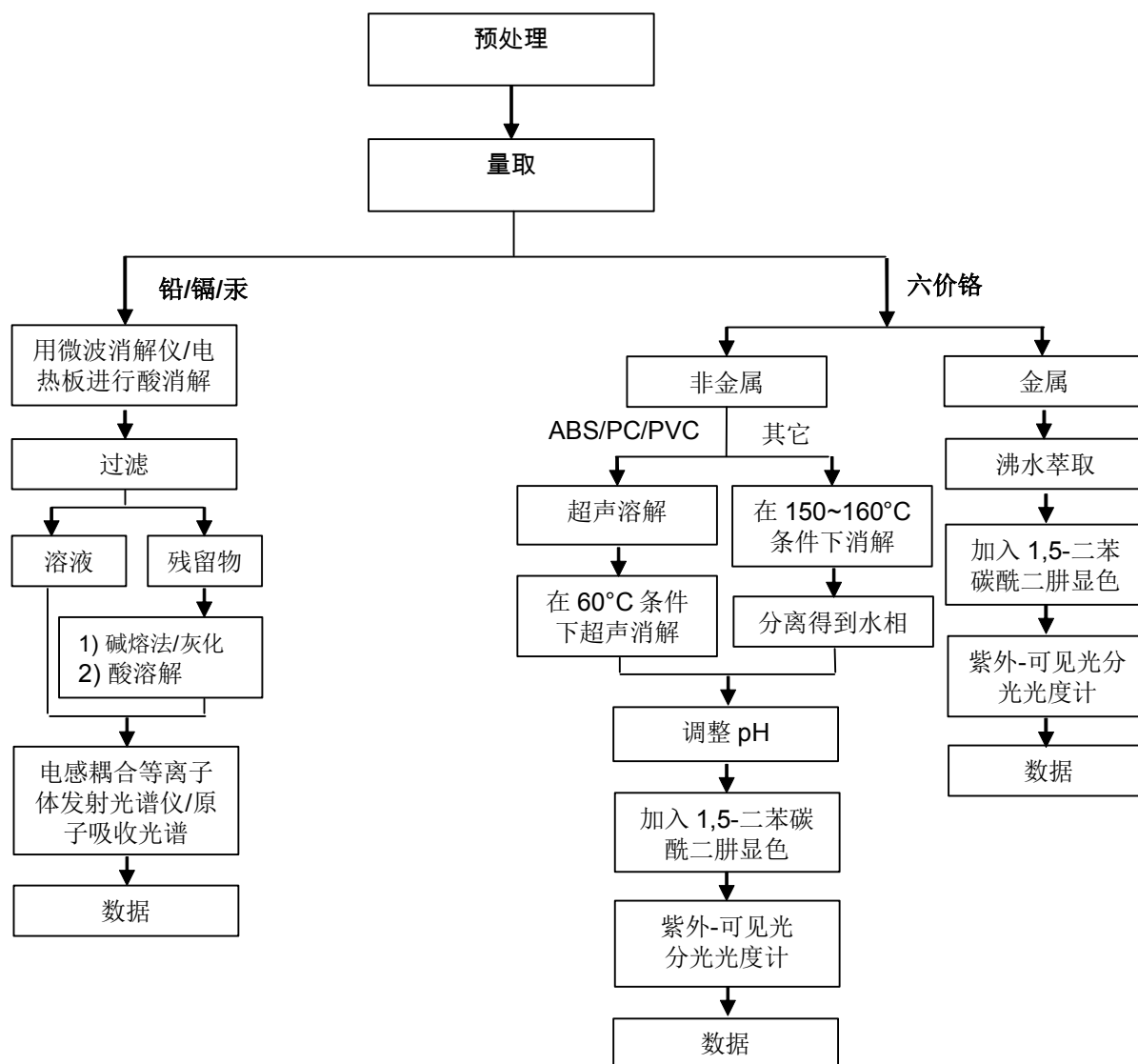
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## 附件

Pb/Cd/Hg/Cr<sup>6+</sup> 测试流程图

1) 样品按照下述流程被完全消解（六价铬测试除外）。



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样品照片:



此照片仅限于随SGS正本报告使用

\*\*\* 报告完 \*\*\*



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