

## 测试报告

No. TSNEC1900285204

日期: 2019年03月07日 第1页,共5页

青岛宏泰金属制品有限公司  
青岛平度同和工业园宏泰路

以下测试之样品是由申请者所提供及确认: 铜管

SGS工作编号: TP19-001341 - TJ  
型号: 12.7\*0.7 (状态: O60, 金属牌号: TP2)  
客户参考信息: 其他型号: 见附页  
样品接收日期: 2019年02月28日  
测试周期: 2019年02月28日 - 2019年03月05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(天津)有限公司  
授权签名

Reabeca Zhou周艳  
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
SN1	TSN19-002852.001	铜色金属管

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: 参考IEC 62321-5:2013, IEC 62321-4:2013+AMD1:2017, 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	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	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.

此报告中的结果和照片来源于TSNEC1900285202,日期为2019/03/05.

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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附页

其他型号:

7*0.7	11.05*1
4.76*0.5	12*0.7
6*0.6	12.7*0.8
6*0.75	12*1
6.35*0.8	15*1.2
8*1	15.88*0.8
8*0.6	15.88*1
8*0.75	16*1
9.52*0.5	19.05*1
9.52*0.7	9.52*0.32+0.15
9.52*0.75	9.52*0.35+0.13
9.52*0.8	9.52*0.28+0.18
10*1	7*0.35+0.13



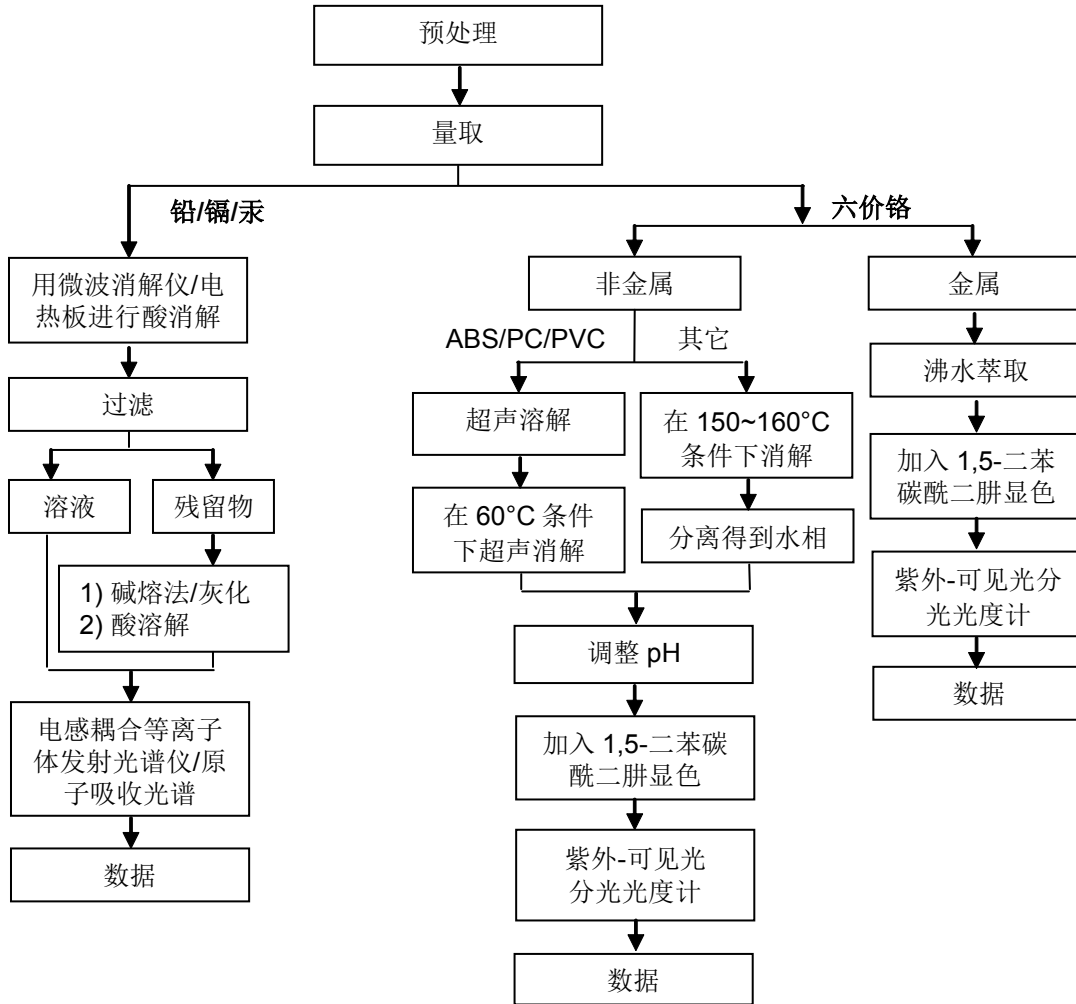
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附件

## Pb/Cd/Hg/Cr<sup>6+</sup> 测试流程图

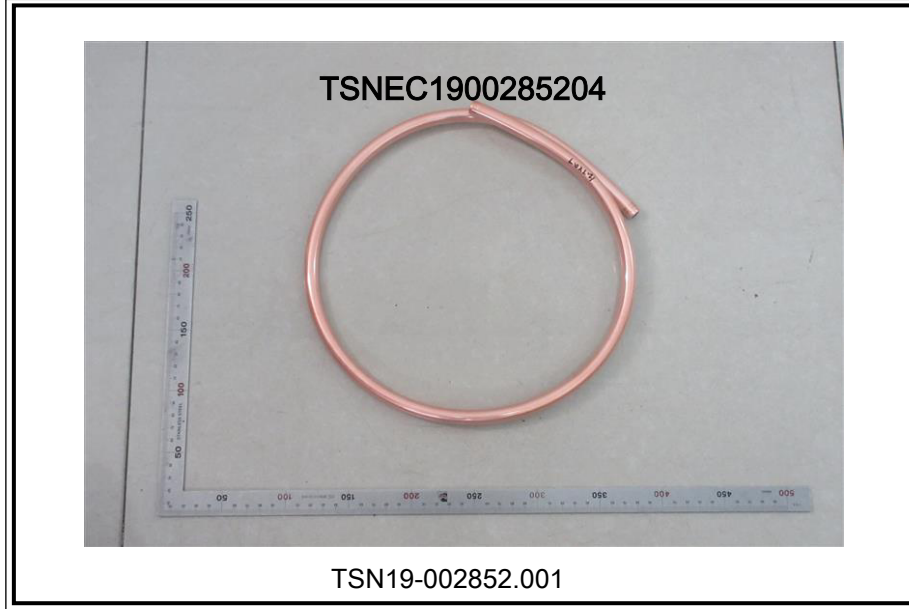
1) 样品按照下述流程被完全消解（六价铬测试除外）。



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