

## 检测报告

编号: NGBMR22003595302

日期: 2022 年 10 月 24 日

第 1 页, 共 8 页

客户名称 : 浙江强力控股有限公司  
 客户地址 : 浙江省乐清经济开发区纬十七路 231 号

样品名称 : 环保焊锡条  
 材质牌号 : Sn-0.7Cu  
 客户参考信息 : QL/HB/RD/YW-Sn-0.7Cu/Sn-0.7CuNi/Sn-0.7CuX/Sn-0.7Cu1Zn/Sn-0.7CuZn/Sn3Ag0.5Cu/Sn0.3Ag0.7Cu/Sn0.3Ag0.5Cu/Sn0.5Ag/Sn0.5Ag0.7Cu/Sn2.75Cu0.25Ag/Sn1Ag0.5Cu/Sn3Ag/Sn3AgTD/Sn4Ag/SnIn/SnInX/SnAg/SnCu/Sn99Cu1/Sn2Cu/Sn3Cu/Sn5Cu/Sn1Sb/Sn4Sb/Sn5Sb/SnSb/Sn10Sb/Sn100/SnBiAg/Sn88Zn12/Sn87Zn13/Sn84Zn16/环保彩灯/Sn100 中温/Sn100 高温/Sn0.7Cu 高温/Sn3Ag0.5Cu 高温/Sn0.3Ag0.7Cu 高温/Sn1Ag0.5Cu 高温/环保高温/环保低温 138 环保低温 140/环保低温 150/环保低温 160/环保低温 172/环保低温 180/环保低温 200/环保低温

以上样品及信息由客户提供。

SGS 工作编号 : NBIN2210011248PC  
 收样日期 : 2022 年 10 月 18 日  
 检测周期 : 2022 年 10 月 18 日 - 2022 年 10 月 24 日  
 检测要求 : 根据客户要求检测  
 检测方法 : 见后续页。  
 检测结果 : 见后续页。

检测要求	结论
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863- 铅、汞、镉、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP)	符合

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检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	1	NGB22-0035953-0001.C001	银色金属件

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

**欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863- 铅、汞、镉、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)和邻苯二甲酸二异丁酯(DIBP)**

检测方法: 参考 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321-6:2015 和 IEC 62321-8:2017, 采用 ICP-OES, UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	1
镉 (Cd)	100	mg/kg	2	ND
铅 (Pb)	1000	mg/kg	2	13
汞 (Hg)	1000	mg/kg	2	ND
六价铬(Cr(VI))▼	-	µg/cm <sup>2</sup>	0.10	ND
多溴联苯之和(PBBs)	1000	mg/kg	-	ND
一溴联苯(MonoBB)	-	mg/kg	5	ND
二溴联苯(DiBB)	-	mg/kg	5	ND
三溴联苯(TriBB)	-	mg/kg	5	ND
四溴联苯(TetraBB)	-	mg/kg	5	ND
五溴联苯(PentaBB)	-	mg/kg	5	ND
六溴联苯(HexaBB)	-	mg/kg	5	ND
七溴联苯(HeptaBB)	-	mg/kg	5	ND
八溴联苯(OctaBB)	-	mg/kg	5	ND
九溴联苯(NonaBB)	-	mg/kg	5	ND
十溴联苯(DecaBB)	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚(MonoBDE)	-	mg/kg	5	ND
二溴二苯醚(DiBDE)	-	mg/kg	5	ND
三溴二苯醚(TriBDE)	-	mg/kg	5	ND
四溴二苯醚(TetraBDE)	-	mg/kg	5	ND
五溴二苯醚(PentaBDE)	-	mg/kg	5	ND
六溴二苯醚(HexaBDE)	-	mg/kg	5	ND
七溴二苯醚(HeptaBDE)	-	mg/kg	5	ND
八溴二苯醚(OctaBDE)	-	mg/kg	5	ND



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检测项目	限值	单位	MDL	1
九溴二苯醚(NonaBDE)	-	mg/kg	5	ND
十溴二苯醚(DecaBDE)	-	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	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

(2) ▼ = a. 当六价铬的浓度高于0.13 µg/cm²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/cm²)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/cm²与0.13 µg/cm²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, 样品的六价铬检测结果仅能代表检测时样品含六价铬的状态。

除非另有说明, 否则本检测报告中所示的检测结果仅对来样负责。本报告未经本公司书面许可, 不可部分复制。

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 (w=0) 的二元判定规则进行符合性判定。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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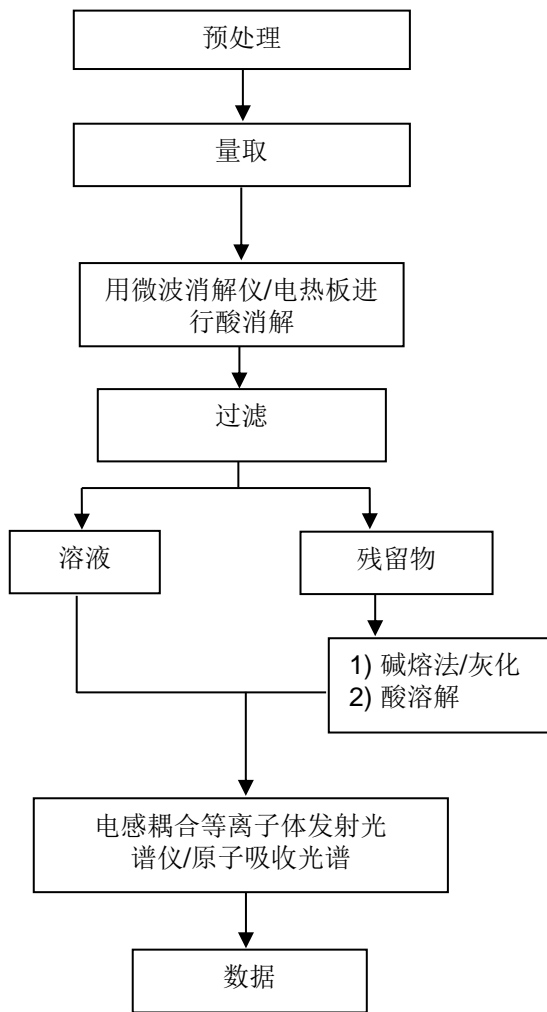
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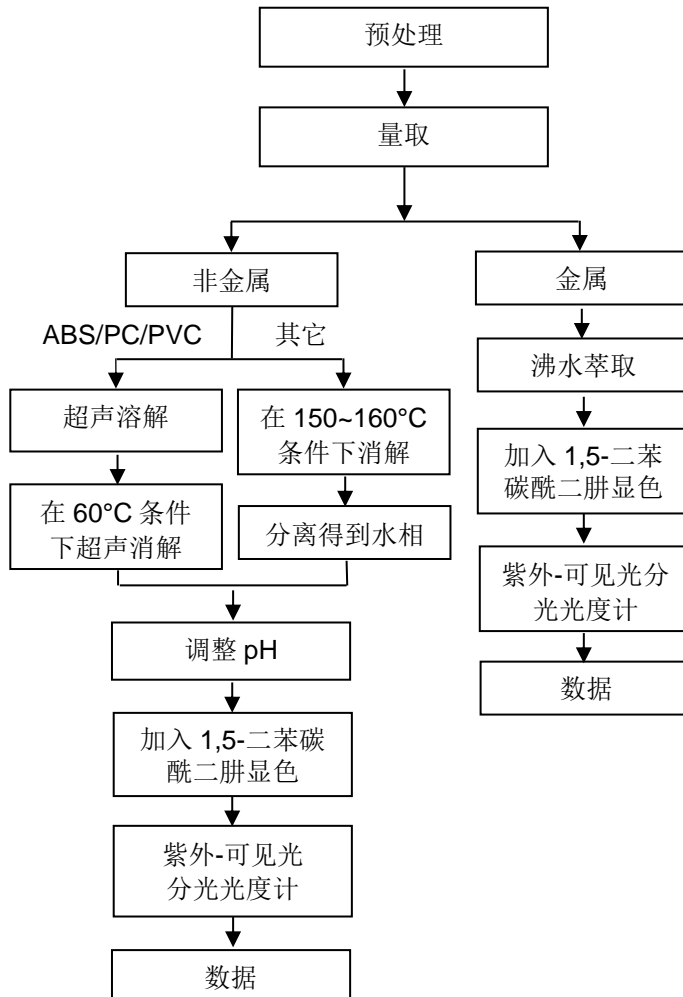
### 元素(IEC62321) 检测流程图

样品按照下述流程被完全消解





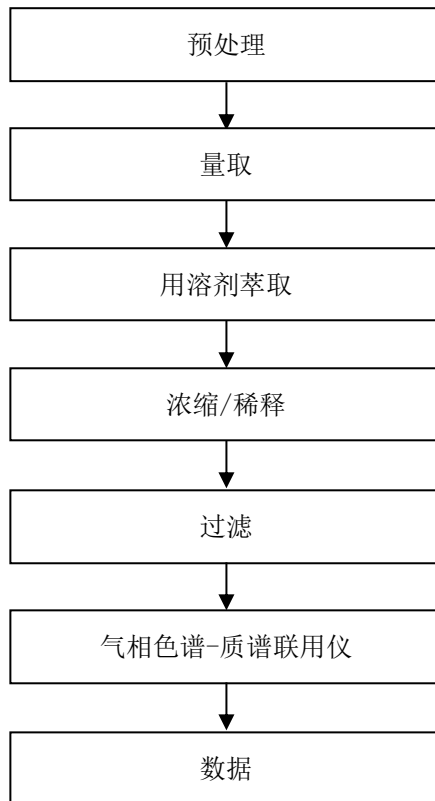
### 六价铬检测流程图



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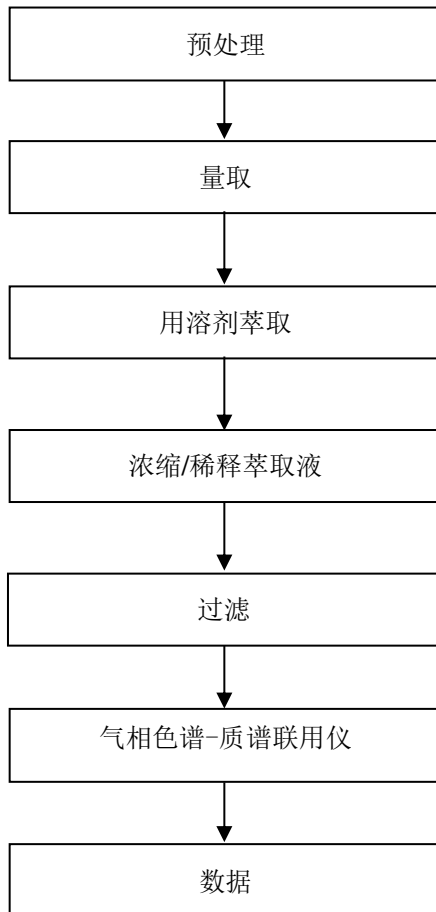
### Phthalates 检测流程图



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### PBBs/PBDEs 检测流程图



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