

检测报告

编号: NGBEC22004404302

日期: 2023年01月04日

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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: 环保焊锡丝
型号: Sn-0.7Cu
客户参考信息: QL/HB/RD-Sn-0.7Cu/Sn-0.7CuX/Sn-0.7CuNi/Sn-0.7CuKYH/Sn-0.8Cu/Sn1Ag0.5Cu/Sn-0.7CuTD/Sn-0.7Cu 无卤素/Sn3Ag0.5Cu 无卤素/Sn0.3Ag0.7Cu 无卤素/无卤素/Sn3Ag0.5Cu/Sn3Ag0.5CuTD/Sn0.3Ag0.7Cu/Sn0.3Ag0.7CuTD/Sn0.3Ag0.5Cu/Sn0.5Ag0.7Cu/Sn2.75Cu0.25Ag/Sn0.5Ag/Sn0.3Ag/Sn4Ag/Sn3.5Ag/SnIn/SnAg/SnCu/Sn99Cu1/Sn2Cu/Sn3Cu/Sn5Cu/Sn1Sb/Sn4Sb/Sn5Sb/SnSb/Sn100/SnBiAg/Sn0.7Cu1Zn/环保彩灯/环保中温/Sn100 中温/Sn100 高温/Sn100 高温440/Sn100X 高温/Sn0.7Cu 中温/Sn0.7Cu 高温/Sn-0.7CuX 高温/环保高温/环保低温 138/Sn42Bi58/Sn65Bi35/Sn64.7Ag0.3Bi35/环保低温 140/环保低温 150/环保低温 155/环保低温 160/环保低温 172/环保低温 180/环保低温 200/环保低温/环保焊铝/环保焊铝-1/环保不锈钢/环保不锈钢-1/QL-617/QL-618/QL-619/QL-305/QL-0307/QL-105

以上样品及信息由客户提供。

SGS 工作编号: NP22-006418
样品接收时间: 2022年12月16日
检测周期: 2022年12月16日 - 2023年01月04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。

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胡阳

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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

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	A2	NGB22-0044043-0001.C002	银色金属丝

备注:

- (1) 1 mg/kg = 1 ppm = 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	A2
镉 (Cd)	100	mg/kg	2	ND
铅 (Pb)	1000	mg/kg	2	90
汞 (Hg)	1000	mg/kg	2	ND
六价铬(Cr(VI))▼	-	µg/cm ²	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



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检测项目	限值	单位	MDL	A2
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
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) 最大允许限值引用自RoHS指令(EU) 2015/863。
- (2) IEC 62321系列等同于 EN 62321系列。
- (3) ▼ = 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, 样品的六价格检测结果仅能代表测试时样品含六价格的状态。

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。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

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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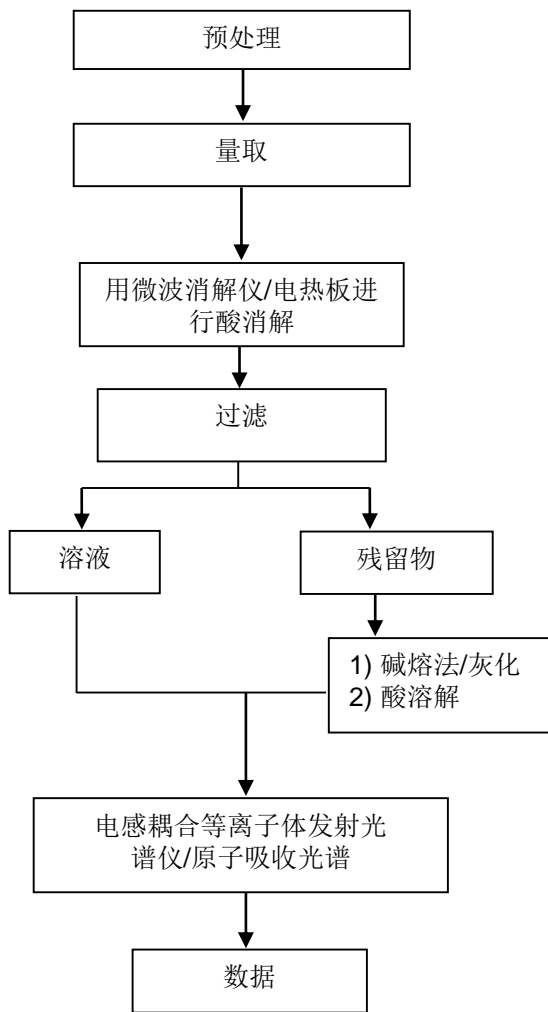
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附件

元素 (IEC62321) 检测流程图

样品按照下述流程被完全消解



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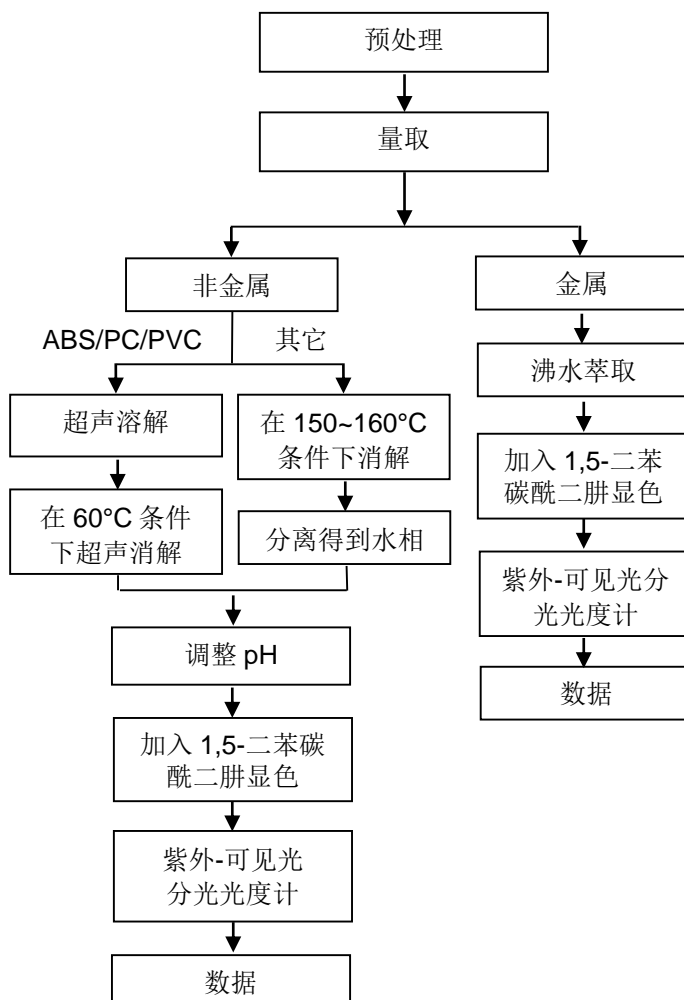
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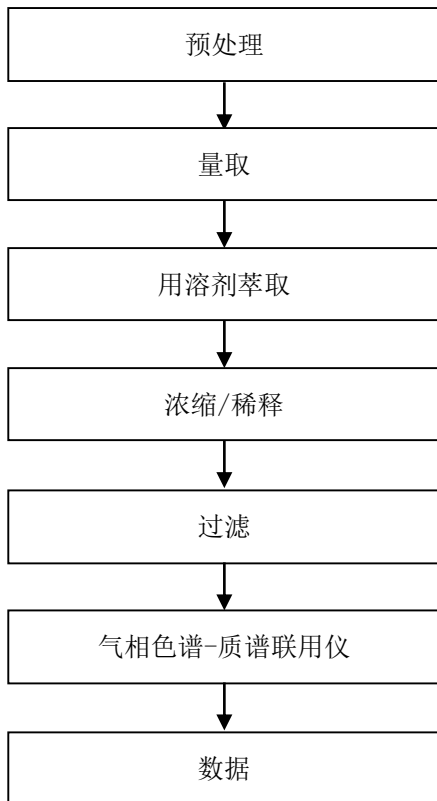
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六价铬检测流程图



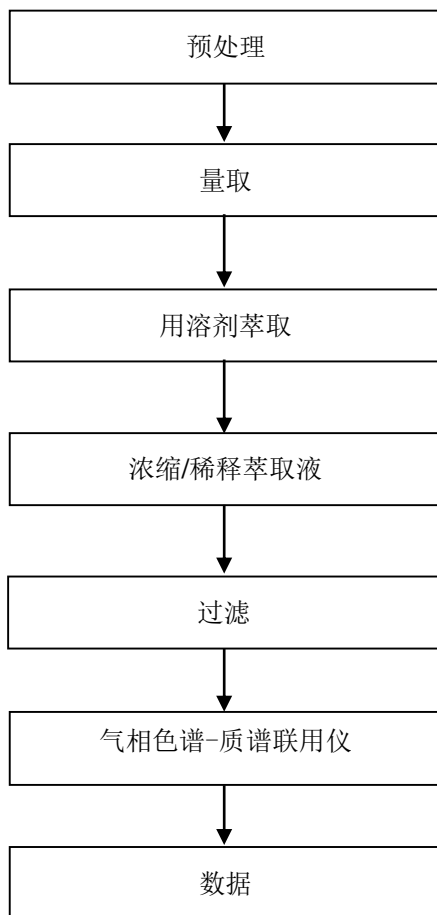
Phthalates 检测流程图



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PBBs/PBDEs 检测流程图



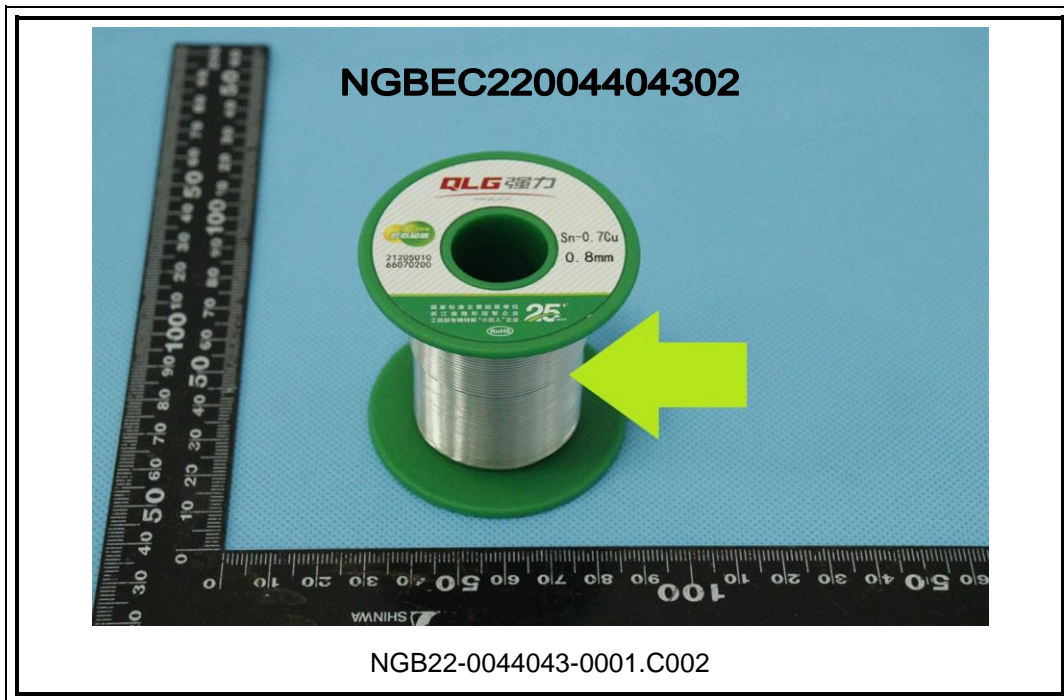
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