

检测报告 编号: SHAEC24004106008 日期: 2024年03月12日 第1页,共11页

客户名称: 上海友邦电气(集团)股份有限公司 客户地址: 上海市松江区佘山镇吉业路 528 号

样品名称: 接线端子

型号: UJFX1-95B/4×25

客户参考信息: 见附页

以上样品及信息由客户提供。

SGS 工作编号: TIC1020240307154805NHB2

样品接收时间: 2024年03月08日

2024年03月08日~2024年03月12日 检测周期:

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 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯	符合
(DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二	17) 日
异丁酯 (DIBP)	
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉和六	が 人
价铬	符合

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Tom Ni 倪俊 批准签署人





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检测结果:

检测部件外观描述:

<u> </u>				
样品序号	样品编号	SGS 样品 ID	样品描述	
SN1	A12	SHA24-0041060-0001.C012	灰色固体	
SN2	A13	SHA24-0041060-0001.C013	银色金属	
SN3	A14	SHA24-0041060-0001.C014	银蓝色金属	
SN4	A15	SHA24-0041060-0001.C015	银蓝色金属	

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 (PBB)、多溴 二苯醚 (PBDE)、邻苯二甲酸二(2-乙基已基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)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 62321-7-2:2017, IEC 62321-6:2015 和 IEC 62321-8:2017, 采用 ICP-OES/AAS, UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	A12
铅 (Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和 (PBB)	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 (PBDE)	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	A12
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(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	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。
- (2) IEC 62321 系列等同于 EN 62321 系列。
- (3) 2021 年 7 月 22 号开始, DEHP, BBP, DBP 和 DIBP 的限制适用于医疗器械,包括体外医疗器械,监控 仪表,包括工业监测和控制仪器。

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉和六价铬

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

检测项目	限值	单位	MDL	A13	A14	A15
铅 (Pb)	1000	mg/kg	2	21597▲	ND	ND
汞 (Hg)	1000	mg/kg	2	ND	ND	ND
镉 (Cd)	100	mg/kg	2	25	ND	ND
六价铬 (Cr(VI))▼	-	μg/cm²	0.10	ND	ND	ND

备注:

- (1) 最大允许极限值引用自RoHS指令(EU) 2015/863。
- (2) IEC 62321系列等同于 EN 62321系列。
- 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。

▲根据客户提供的声明,编号 A13 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%。

更多豁免相关信息,可以从以下链接获取:

https://rohs.sqsonline.com.cn/PDFLinks/zh-cn/RSTS-TP-037%20RoHS%20Exemption%20%28CN%29.pdf



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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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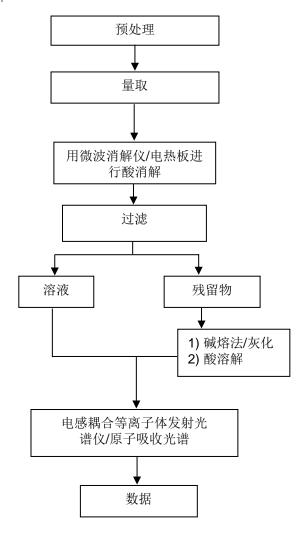
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附件

元素检测流程图

样品按照下述流程被完全消解





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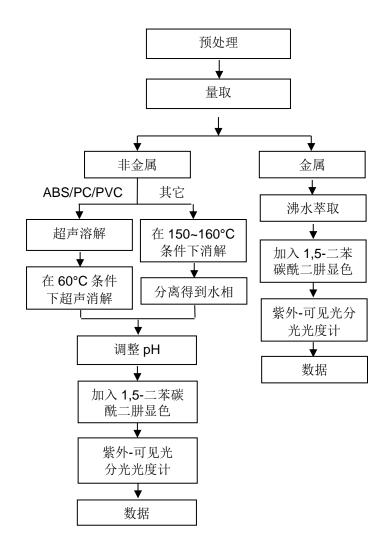
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附件

六价铬检测流程图





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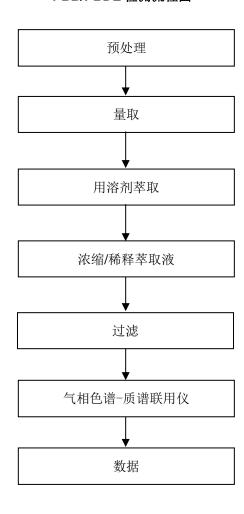


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PBB/PBDE 检测流程图





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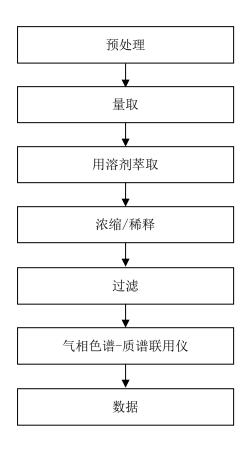
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附件

Phthalates 检测流程图





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附件:

UJFX1-10/ 10+2.5, UJFX1-15/ 15+2.5, UJFX1-25/ 25+2.5, UJFX1-4/4+7 \times 2.5, UJFX1-16/4 \times 4, UJFX1-35/4 \times 10, UJFX1-35/9 \times 4, UJFX1-35B/9 \times 4, UJFX1-35/12 \times 2.5, UJFX1-35B/12 \times 2.5, UJFX1-35/35+6, UJFX1-3 \times 10/3 \times $10+3\times2.5$, UJFX1-50/2×25, UJFX1-70, UJFX1-35B/4×10, UJFX1-35/6×6, UJFX1-35B/6×6, UJFX1-35/6× 6TF, UJFX1-35/9 \times 6TF, UJFX1-2 \times 16/4 \times 6, UJFX1-2 \times 35/4 \times 10, UJFX1-2 \times 35/2 \times 35, UJFX1-35+16/6 \times 16, UJFX1-70B, UJFX1-70/2 \times 35, UJFX1-70B/2 \times 35, UJFX1-70/2 \times 50, UJFX1-70B/2 \times 50, UJFX1-70/4 \times 16, UJFX1-70B/2 \times 50, UJF $70B/4 \times 16$, UJFX1- $70/8 \times 10$, UJFX1- $70B/8 \times 10$, UJFX1- $70/12 \times 6$, UJFX1- $70B/12 \times 6$, UJFX1-70/70+10+4, $UJFX1-2 \times 70/70+10+4$, $UJFX1-2 \times 70/2 \times 70$, $UJFX1-2 \times 70/4 \times 16$, $UJFX1-2 \times 70/8 \times 10$, UJFX1-95/4 \times 25, UJFX1-95B/4 \times 25, UJFX1-95/2 \times 50, UJFX1-95/8 \times 10, UJFX1-95B/8 \times 10, UJFX1-95/6 \times 16, UJFX1-95B/6 \times 16, UJFX1-95/2 \times 70, UJFX1-95B/2 \times 70, UJFX1-120B, UJFX1-2 \times 70/8 \times 16, UJFX1-2 \times 95/8 \times 16, UJFX1- $120B/6 \times 16$, UJFX1- $120/8 \times 16$, UJFX1- $120B/8 \times 16$, UJFX1- $120/2 \times 95$, UJFX1- $120B/2 \times 95$, UJFX1- $120/4 \times 35$, UJFX1-120B/4 \times 35, UJFX1-120/70+2 \times 25+16, UJFX1-2 \times 70/8 \times 35, UJFX1-120/4 \times 70, UJFX1-120/12 \times 10, $UJFX1-2 \times 120/8 \times 16$, $UJFX1-2 \times 120/8 \times 16$, $UJFX1-2 \times 120/2 \times 120$, $UJFX1-150/2 \times 120$, $UJFX1-150B/2 \times 120$, UJFX1-185/2 \times 150, UJFX1-185B/2 \times 150, UJFX1-185/4 \times 50, UJFX1-185B/4 \times 50, UJFX1-185B/6 \times 35, UJFX1-185B/5 $185/12 \times 16$, UJFX1- $185B/12 \times 16$, UJFX1- $240/2 \times 185$, UJFX1- $240B/2 \times 185$, UJFX1- $240/4 \times 70$, UJFX1- $240B/4 \times 185$ \times 70, UJFX1-240/6 \times 50, UJFX1-240B/6 \times 50, UJFX1-240/12 \times 16, UJFX1-300/4 \times 95, UJFX1-150+95/150+95, UJFX1-300/2 \times 150, UJFX1-300B/4 \times 95, UJFX1-300B/15 \times 16, UJFX1-10/2 \times 105, UJFX1-35/4 \times 10TF, UJFX1-70/4 imes16TF, UJFX1-95/6imes16TF, UJFX1-120/8imes16TF, UJFX1-240/8imes16TF, UJFX1-185B/12imes16N, UJFX1-240B/12imes16N, UJFX1-2 \times 25B/12 \times 16N,



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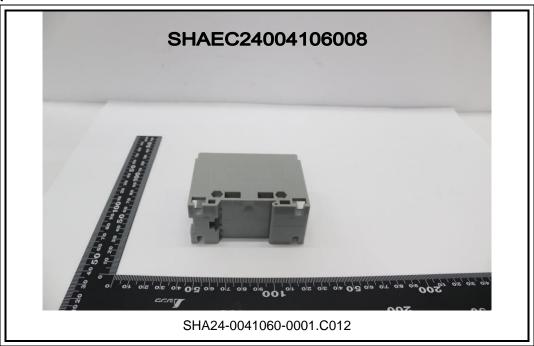
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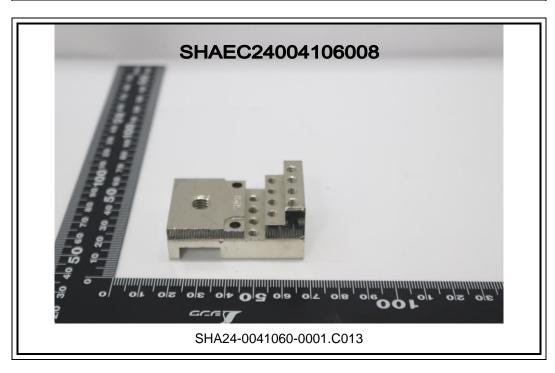


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样品照片:







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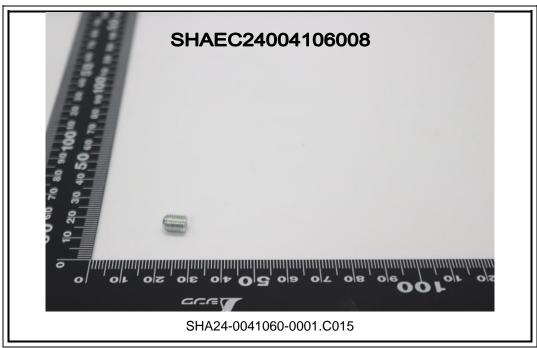


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