

编号: SHAEC24004106006

日期: 2024年03月12日 第1页,共10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: UJ6-2.5 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)	符合
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	符合

通标标准技术服务(上海)有限公司 授权签名



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:

样品序号	样品编号	SGS 样品 ID 样品描述			
SN1	A8	SHA24-0041060-0001.C008	灰色固体		
SN2	A9	SHA24-0041060-0001.C009	橘色固体		
SN3	A10	SHA24-0041060-0001.C010	银色/铜色金属		
SN4	A11	SHA24-0041060-0001.C011	铜色金属		

#### 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	A8	A9
铅 (Pb)	1000	mg/kg	2	ND	ND
汞 (Hg)	1000	mg/kg	2	ND	ND
镉 (Cd)	100	mg/kg	2	ND	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND	ND
一溴联苯 (MonoBB)	-	mg/kg	5	ND	ND
二溴联苯 (DiBB)	-	mg/kg	5	ND	ND
三溴联苯 (TriBB)	-	mg/kg	5	ND	ND
四溴联苯 (TetraBB)	-	mg/kg	5	ND	ND
五溴联苯 (PentaBB)	-	mg/kg	5	ND	ND
六溴联苯 (HexaBB)	-	mg/kg	5	ND	ND
七溴联苯 (HeptaBB)	-	mg/kg	5	ND	ND
八溴联苯 (OctaBB)	-	mg/kg	5	ND	ND
九溴联苯 (NonaBB)	-	mg/kg	5	ND	ND
十溴联苯 (DecaBB)	-	mg/kg	5	ND	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	5	ND	ND
二溴二苯醚 (DiBDE)	-	mg/kg	5	ND	ND
三溴二苯醚 (TriBDE)	-	mg/kg	5	ND	ND



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检测项目	限值	单位	MDL	A8	A9
四溴二苯醚 (TetraBDE)	-	mg/kg	5	ND	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	5	ND	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	5	ND	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	5	ND	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	5	ND	ND
九溴二苯醚 (NonaBDE)	-	mg/kg	5	ND	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	5	ND	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	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。
- (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	A10	A11
铅 (Pb)	1000	mg/kg	2	39	ND
汞 (Hg)	1000	mg/kg	2	ND	ND
镉 (Cd)	100	mg/kg	2	ND	ND
六价铬 (Cr(VI))▼	-	μg/cm²	0.10	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。

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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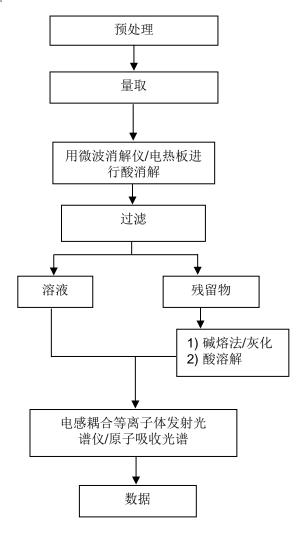
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附件

### 元素检测流程图

样品按照下述流程被完全消解





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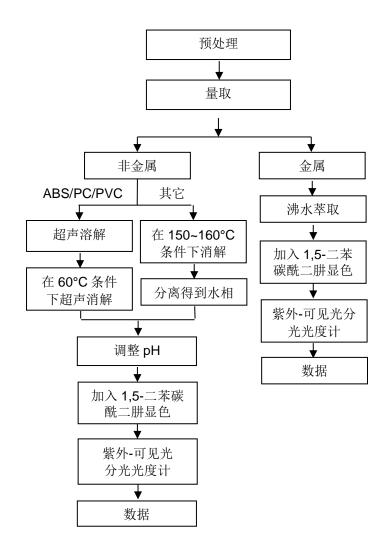
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### 六价铬检测流程图





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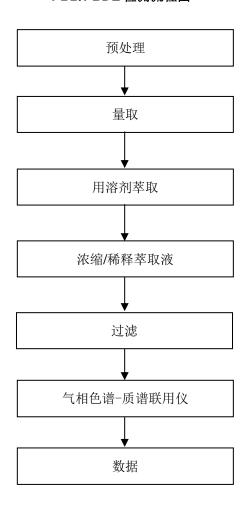
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### PBB/PBDE 检测流程图





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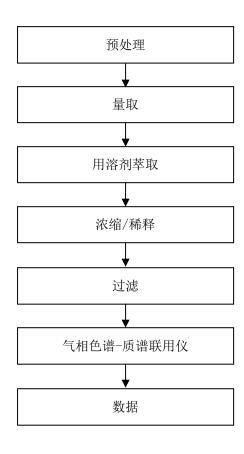


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### Phthalates 检测流程图





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附件:

UJ6-1.5,UJ6-2.5,UJ6-4,UJ6-6,UJ6-10,UJ6-16,UJ6-35,UJ6-1.5JD,UJ6-2.5JD,UJ6-4JD,UJ6-6JD,UJ6-10JD,UJ6-16JD,UJ6-35JD,UJ6-6S,UJ6-2.5SK,UJ6-2.5FD,UJ6-2.5/1×2SK,UJ6-2.5/1×2FD,UJ6-4/1×2SK,UJ6-4/1×2FD,UJ6-4/ 2.5/2×2SK,UJ6-2.5/2×2FD,UJ6-4SK,UJ6-4FD,UJ6-4/2-2SK,UJ6-4/2-2SKG,UJ6-1.5/1×2,UJ6-2.5/1×2,UJ6-4/1×2,UJ6-6/1×2,UJ6-10/1×2,UJ6-16/1×2,UJ6-1.5/2×2,UJ6-2.5/2×2,UJ6-4/2×2,UJ6-6/2×2,UJ6-1.5/2×2-U,UJ6-2.5/2×2-U,UJ6- $4/2 \times 2 - U_1 U J 6 - 6/2 \times 2 - U_2 U J 6 - 1.5/1 \times 2 J D_1 U J 6 - 2.5/1 \times 2 J D_2 U J 6 - 4/1 \times 2 J D_2 U J 6 - 10/1 \times 2 J D_2 U J 6$ PV,UJ6-4/2×2-PV,UJ6-1.5/2-2JD,UJ6-2.5/2-2JD,UJ6-4/2-2JD,UJ6-2.5/3-3,UJ6-2.5/3×3-PV,UJ6-2.5/3-3JD,UJ6-2.5/JD/L/L,UJ6-2.5/JD/L/N,UJ6-4RD,UJ6-4RDX,UJ6-6CW/RD,UJ6-6CW/RDX,UJ6-6CW/RDXG,UJ6-2.5/2-2/JD-L,UJ6-2.5/2-2D,UJ6-2.5/2-2D2,UJ6-2.5/2-2D/C,UJ6-2.5/2-2D/XL-R,UJ6-2.5/2-2D/XR-L,UJ6-2.5/2-2D/S-X/XR-L,UJ6-2.5/2-2D/S-XL/S-XR,UJ6-2.5/2-2DX,UJ6-2.5WV/UJ6-2.5WV/2-2,UJ6-2.5WV/2×2,UJ6-2.5WV/3-3,UJ6-2.5WV/3×3,UJ6-2.5WV-JD,UJ6-2.5WV/2-2JD,UJ6-2.5WV/2×2JD,UJ6-2.5WV/3-3JD,UJ6-2.5WV/3×3JD,UJ6-2.5WM/2×2JD,UJ6-2.5WM,UJ6-2.5W,UJ6-2.5W/2×2,UJ6-2.5WN,UJ6-2.5WV/2-2G,UJ6-2.5WV/3-3G,UJ6-2.5WMG,UJ6-2.5G,UJ6-4G,UJ6-6G,UJ6-10G,UJ6-16G,UJ6-2.5/1×2G,UJ6-4/1×2G,UJ6-6/1×2G,UJ6-10/1×2G,UJ6-16/1×2G,UJ6-2.5/2×2G,UJ6-4/2×2G,UJ6-6/2×2G,UJ6-2.5/2-2G,UJ6-4/2-2G,UJ6-2.5/3-3G,UJ6-2.5/2×2SKG,UJ6-6SG,UJ6-2.5LG/RG,UJ6-4LG/RG,UJ6-6LG/RG,UJ6-10/RG,UJ6-16/RG,UJ6-1.5 $\sim$ 4FG,UJ6-6FG,UJ6-1.5-4/1 $\times$ 2FG,UJ6-6/1 $\times$ 2FG,UJ6-1.5 $\sim$ 4/2 $\times$ 2FG,UJ6-1.5 $\sim$ 4/2-2FG,UCZ-4,UJ6-PS4,UJ6-PS5,UJ6-PS6,UJ6-PS8,UJ6-4E,UJ6-2.5/1 $\times$ 2D2,UJ6-2.5/1 $\times$ 2D/L-R,UJ6-2.5/2 $\times$ 2/X,UJ6-2.5/2 $\times$ 2FDG,UJ6-2.5/2×2R,UJ6-2.5/2-2R,UJ6-2.5/2-2D/S-X/XR-L(3),UJ6-2.5/2-2JD/L,UJ6-2.5/3TP(L),UJ6-2.5/LG,UJ6-2.5/RG,UJ6-2.5D2,UJ6-2.5E/14P-A(SD1096),UJ6-2.5HK,UJ6-2.5JD/L/L,UJ6-2.5R,UJ6-2.5VK/5.0J,UJ6-2.5VK2/5.0ZJ,UJ6 2.5VK2/5.0ZZ,UJ6-4/2×2E,UJ6-1.5/2.5G,UJ6-1.5-2.5/2-2G,UJ6-2.5WNG,UJ6-16RG



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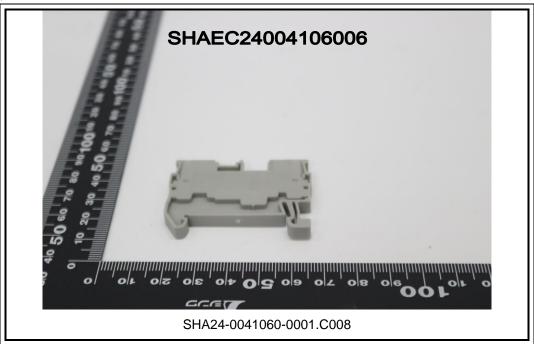
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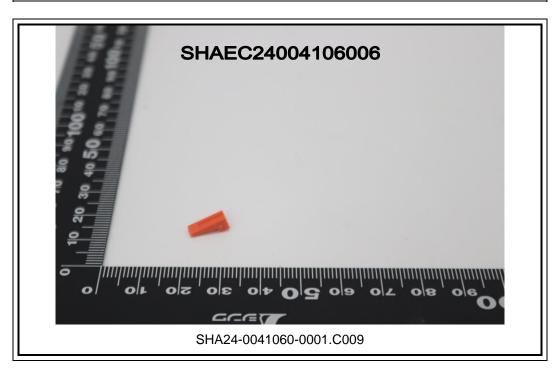


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样品照片:







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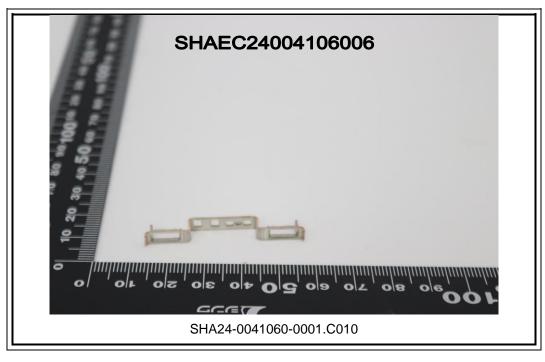
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