

## 检测报告

编号: SHAEC25003101106

日期: 2025 年 02 月 25 日

第 1 页, 共 4 页

客户名称: 上海永铭电子股份有限公司  
客户地址: 上海市奉贤区南桥镇杨王工业区光村路 258 号

样品名称: 固液混合铝电解电容  
型号: VHT  
客户参考信息: VHT,VGY,VHM,VHR,VHU,VHX,VHT,NGY,NHM,NHR,NHU,NHX,VHE,NHE  
批号: 20250217001  
以上样品及信息由客户提供。

SGS 工作编号: TIC1020250218181723KZEK  
样品接收时间: 2025 年 02 月 19 日  
检测周期: 2025 年 02 月 19 日 ~ 2025 年 02 月 25 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。  
结论: 基于所送样品进行的检测, 检测结果与欧盟 ELV 指令(2000/53/EC)及其后续修订版本的要求相符。

通标标准技术服务(上海)有限公司  
授权签名

罗萍

Carol Luo 罗萍  
批准签署人

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SGS-CSL Standards Technical Services (Shanghai) Co., Ltd.  
Chemical Laboratory

3<sup>rd</sup> Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233  
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn  
t HL (86-21) 61402594 f HL (86-21) 61156899 sgs.china@sgs.com

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第 2 页, 共 4 页

## 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	SHA25-0031011-0001.C002	银色电子元件

## 备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL= 方法检出限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

## 欧盟 ELV 指令(2000/53/EC)及其后续修订版本

检测方法: (1) 参考 IEC 62321-5:2013, 用 ICP-OES/AAS 测定镉的含量。  
(2) 参考 IEC 62321-5:2013, 用 ICP-OES/AAS 测定铅的含量。  
(3) 参考 IEC 62321-4:2013+AMD1:2017, 用 ICP-OES 测定汞的含量。  
(4) 参考 IEC 62321-7-2:2017, 用 UV-Vis 分析六价铬含量和/或者参考 IEC 62321-5:2013, 用 ICP-OES/AAS 检测总铬含量。

检测项目	限值	单位	MDL	A2
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬(CrVI)	1000	mg/kg	8	ND

## 备注:

- (1) 最大允许极限值引用自欧盟 ELV 指令(2000/53/EC)及其后续修订版本。
- (2) 检测的铬(Cr)含量是“ND”, 则六价铬(Cr(VI))含量也是“ND”, 不需要进行六价铬(Cr(VI))的确认性检测。
- (3) 若铬(Cr)含量超过六价铬(Cr(VI))方法检出限, 需要进行六价铬(Cr(VI))的确认性检测。

## 阻燃剂

检测方法: 参考 IEC 62321-6:2015, 采用 GC-MS 进行分析。

检测项目	单位	MDL	A2
多溴联苯之和(PBBs)	mg/kg	-	ND
一溴联苯	mg/kg	5	ND
二溴联苯	mg/kg	5	ND
三溴联苯	mg/kg	5	ND
四溴联苯	mg/kg	5	ND
五溴联苯	mg/kg	5	ND
六溴联苯	mg/kg	5	ND
七溴联苯	mg/kg	5	ND



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3<sup>rd</sup> Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn  
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 sgs.china@sgs.com

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第 3 页, 共 4 页

检测项目	单位	MDL	A2
八溴联苯	mg/kg	5	ND
九溴联苯	mg/kg	5	ND
十溴联苯	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	mg/kg	-	ND
一溴二苯醚	mg/kg	5	ND
二溴二苯醚	mg/kg	5	ND
三溴二苯醚	mg/kg	5	ND
四溴二苯醚	mg/kg	5	ND
五溴二苯醚	mg/kg	5	ND
六溴二苯醚	mg/kg	5	ND
七溴二苯醚	mg/kg	5	ND
八溴二苯醚	mg/kg	5	ND
九溴二苯醚	mg/kg	5	ND
十溴二苯醚	mg/kg	5	ND

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。

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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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Chemical Laboratory

3<sup>rd</sup> Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233  
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t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn  
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第 4 页, 共 4 页

样品照片:



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