

## 检测报告

编号: SZXEC26000174812

日期: 2026年01月27日

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客户名称: 深圳市星通时频电子有限公司  
 客户地址: 深圳市南山区龙珠四路方大城T2栋10楼

样品名称: 圆柱音叉石英晶体谐振器  
 型号: 2×6  
 客户参考信息: 3×8, 2×6, 1×5  
 制造商: SCTF  
 供应商: SCTF

以上样品及信息由客户提供。

SGS 工作编号: SZP26-001875  
 样品接收时间: 2026年01月12日  
 检测周期: 2026年01月12日 ~ 2026年01月27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
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(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)	见检测结果
铅、汞、镉和六价铬	见检测结果
卤素	见检测结果

通标标准技术服务有限公司深圳分公司  
 授权签名

Andy Ni 倪磊  
 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	A7	SZX26-0001748-0001.C007	银色本体(混合)
SN2	A8	SZX26-0001748-0001.C008	银色金属引脚

## 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

**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(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 和 IEC 62321-12:2023, 采用 ICP-OES/AAS, UV-Vis 和 GC-MS 进行分析。

检测项目	单位	MDL	A7
铅 (Pb)	mg/kg	2	8
汞 (Hg)	mg/kg	2	ND
镉 (Cd)	mg/kg	2	ND
六价铬 (Cr(VI))	mg/kg	8	ND
多溴联苯之和 (PBB)	mg/kg	-	ND
一溴联苯 (MonoBB)	mg/kg	25	ND
二溴联苯 (DiBB)	mg/kg	25	ND
三溴联苯 (TriBB)	mg/kg	25	ND
四溴联苯 (TetraBB)	mg/kg	25	ND
五溴联苯 (PentaBB)	mg/kg	25	ND
六溴联苯 (HexaBB)	mg/kg	25	ND
七溴联苯 (HeptaBB)	mg/kg	25	ND
八溴联苯 (OctaBB)	mg/kg	25	ND
九溴联苯 (NonaBB)	mg/kg	25	ND
十溴联苯 (DecaBB)	mg/kg	25	ND
多溴二苯醚之和 (PBDE)	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	mg/kg	25	ND
二溴二苯醚 (DiBDE)	mg/kg	25	ND
三溴二苯醚 (TriBDE)	mg/kg	25	ND
四溴二苯醚 (TetraBDE)	mg/kg	25	ND
五溴二苯醚 (PentaBDE)	mg/kg	25	ND
六溴二苯醚 (HexaBDE)	mg/kg	25	ND
七溴二苯醚 (HeptaBDE)	mg/kg	25	ND

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检测项目	单位	MDL	A7
八溴二苯醚 (OctaBDE)	mg/kg	25	ND
九溴二苯醚 (NonaBDE)	mg/kg	25	ND
十溴二苯醚 (DecaBDE)	mg/kg	25	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	mg/kg	50	ND

## 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	单位	MDL	A8
铅 (Pb)	mg/kg	2	15
汞 (Hg)	mg/kg	2	ND
镉 (Cd)	mg/kg	2	ND
六价铬 (Cr(VI)) <sup>▼</sup>	μg/cm <sup>2</sup>	0.10	ND

## 备注:

- (1) <sup>▼</sup> = a. 当六价铬的浓度高于0.13 μg/cm<sup>2</sup>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/cm<sup>2</sup>) 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/cm<sup>2</sup>与0.13 μg/cm<sup>2</sup>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。

## 卤素

检测方法: 参考 EN 14582:2016, 采用 IC 进行分析。

检测项目	单位	MDL	A7
氟 (F)	mg/kg	20	ND
氯 (Cl)	mg/kg	50	ND
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

备注: 样品 A7 的检测是基于申请人要求混合检测, 报告中的混合检测结果不代表其中个别单一材质的含量, 该检测数据仅供参考。

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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编号: SZXEC26000174812

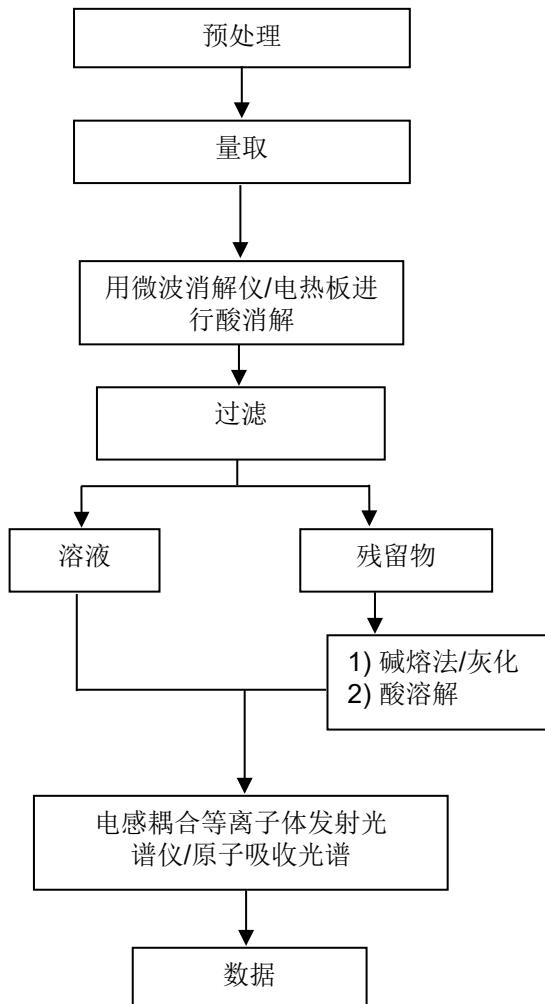
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附件

## 元素检测流程图

样品按照下述流程被完全消解



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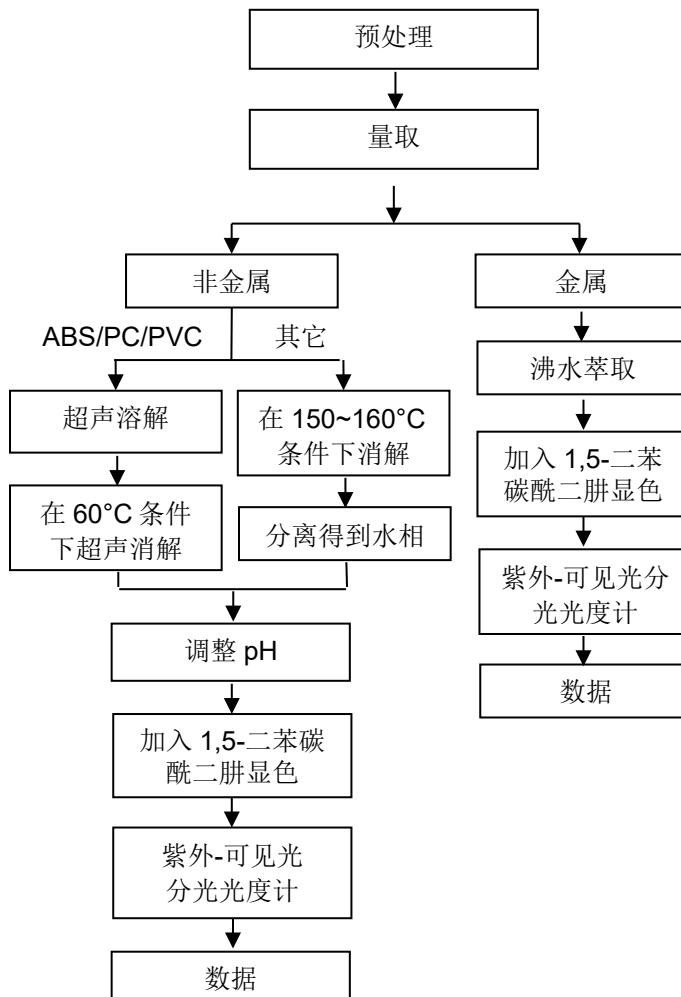
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## 六价铬检测流程图



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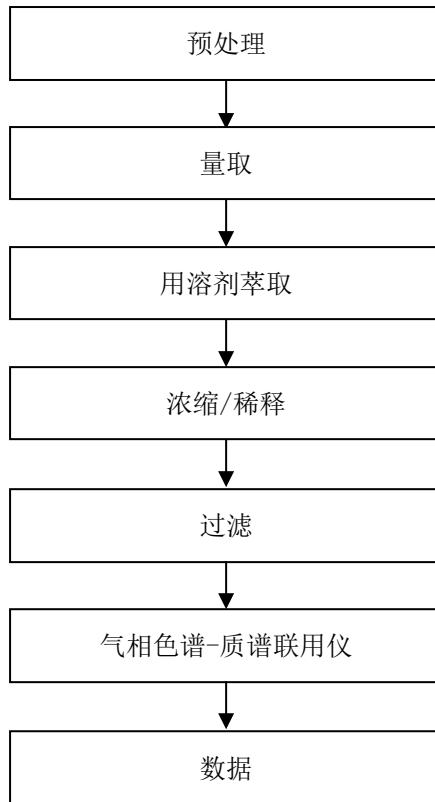
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### PBB(s)/PBDE(s)/Phthalates 检测流程图



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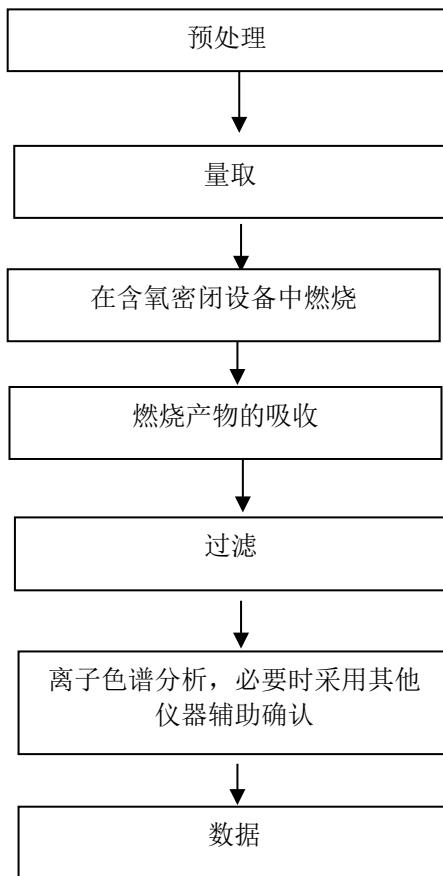
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### 卤素检测流程图



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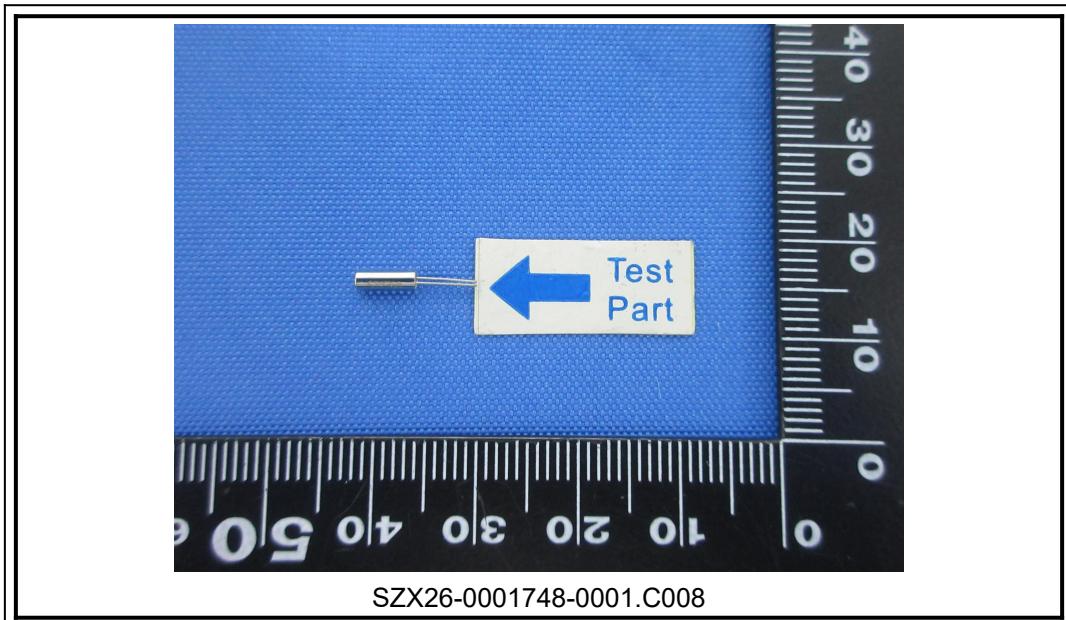
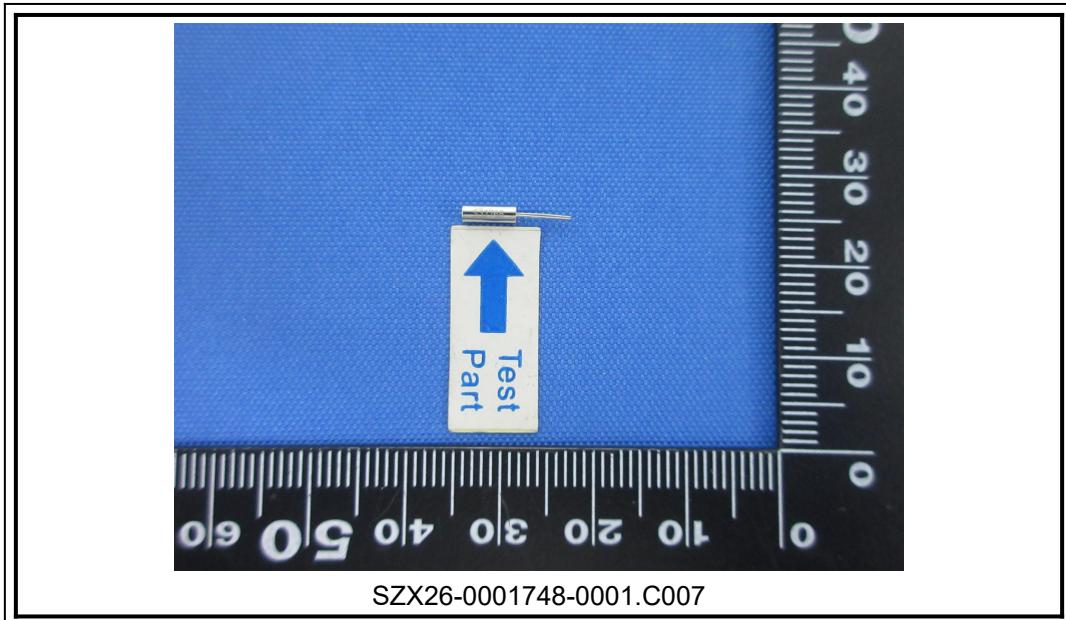
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