

## 测试报告

No. CKGEC2100216202

日期: 2021年04月09日 第1页,共9页

湖北晶茂电子科技有限公司

湖北省荆门市高新区百盟慧谷24栋3楼

以下测试之样品是由申请者所提供及确认: 石英晶体谐振器

SGS工作编号: 21663986 - CQ  
型号: 49SMD  
客户参考信息: 49S  
样品接收日期: 2021年04月06日  
测试周期: 2021年04月06日 - 2021年04月09日  
测试要求: 根据客户要求测试  
测试方法: 请参见下一页  
测试结果: 请参见下一页

通标标准技术服务有限公司重庆分公司  
授权签名

邹昌梅

Mary Zou 邹昌梅  
批准签署人

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测试结果:

## 测试样品描述:

样品编号	SGS样品ID	描述
SN1	CKG21-002162.001	被称作“石英晶体谐振器”(混测)

备注:

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

## 元素分析,六价铬,阻燃剂,邻苯二甲酸酯

测试方法: 参考IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015  
 和 IEC 62321-8:2017, 采用 ICP-OES, UV-Vis 和 GC-MS 进行分析。

测试项目	单位	MDL	001
镉 (Cd)	mg/kg	2	ND
铅 (Pb)	mg/kg	2	ND
汞 (Hg)	mg/kg	2	ND
六价铬(Cr(VI))	mg/kg	8	ND
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
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



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测试项目	单位	MDL	001
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
邻苯二甲酸二丁酯 (DBP)	mg/kg	50	ND
邻苯二甲酸丁苄酯(BBP)	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	mg/kg	50	ND

备注:

(1) IEC 62321 系列等同于 EN 62321 系列

[https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)

(2) 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。

## 卤素

测试方法: 参考EN 14582:2016, 用IC分析。

测试项目	单位	MDL	001
氟 (F)	mg/kg	50	ND
氯 (Cl)	mg/kg	50	ND
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

备注: 样品基于申请人要求为混合测试。报告中的混合测试结果不代表其中个别单一材质的含量, 该测试数据仅供参考。

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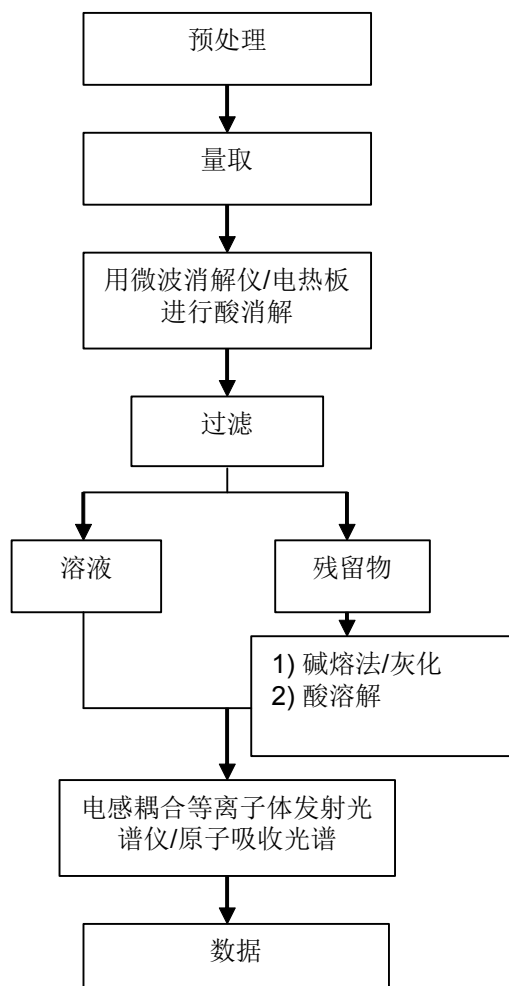
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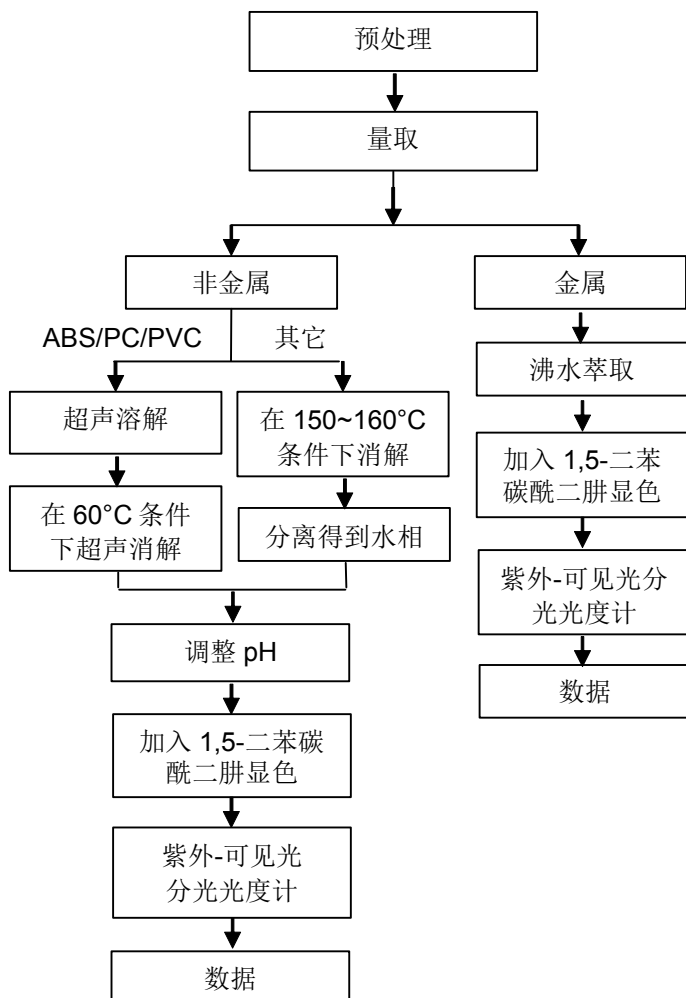
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## 元素(IEC62321) 测试流程图

1)样品按照下述流程被完全消解

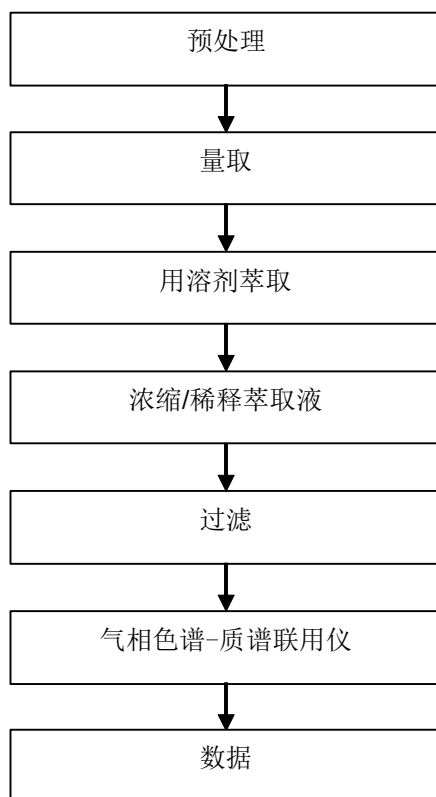


## 六价铬测试流程图

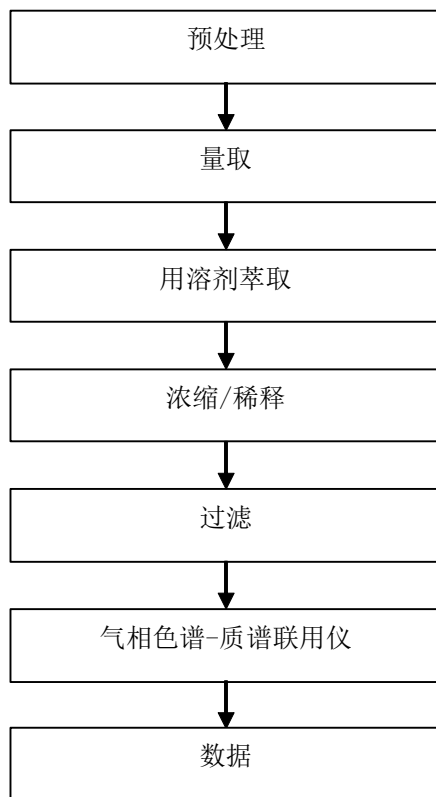




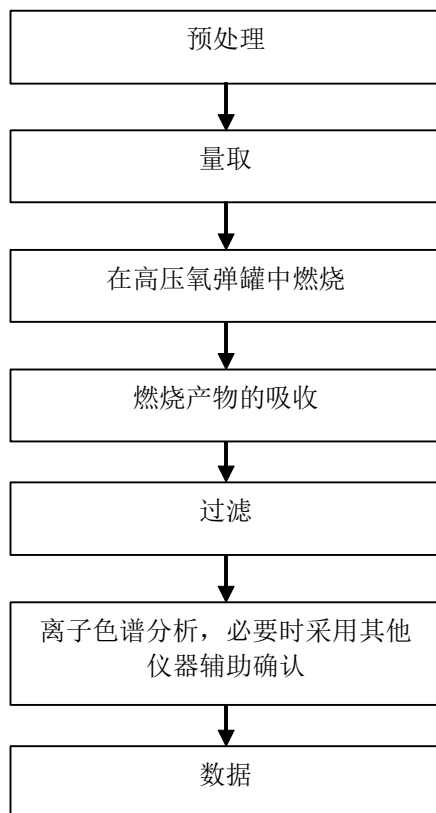
## PBBs/PBDEs 测试流程图



## Phthalates 测试流程图



## 卤素 (氧弹法)测试流程图



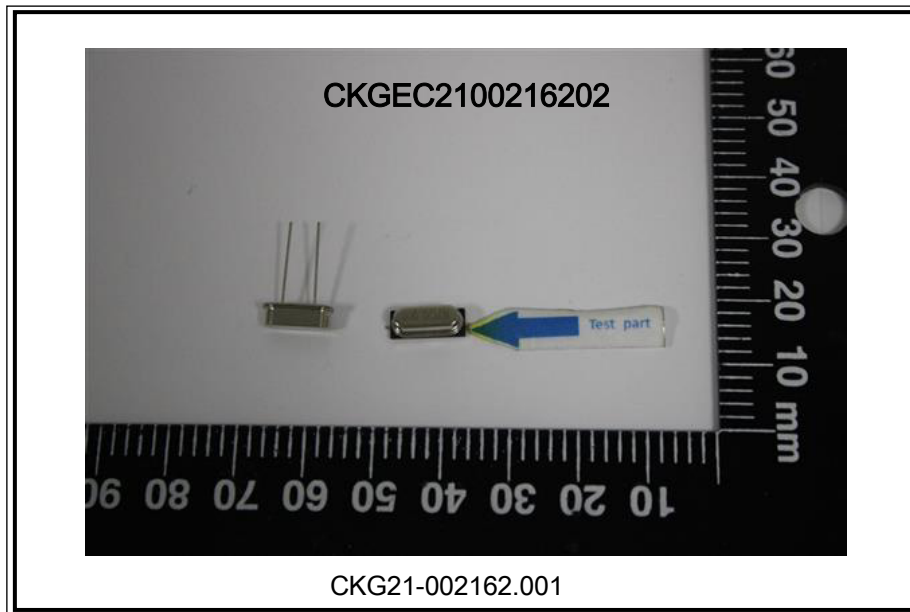


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样品照片:



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