四川遂宁市利普芯微电子有限公司
四川省遂宁市船山区（经开区）飞龙路66号

以下测试之样品是由申请者所提供及确认：半导体器件

SGS工作编号：	22013646 - CQ
型号：	SOP7
客户参考信息：	SOP8
样品接收日期：	2021年08月17日
测试周期：	2021年08月17日 - 2021年08月24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

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CKGEC2100610110

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	CKG21-006101.005	被称作"半导体器件"（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	*005*
镉 (Cd)	mg/kg	2	ND
铅 (Pb)	mg/kg	2	21
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	*005*
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-乙基已基)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

(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	*005*
氟 (F)	mg/kg	50	ND
氯 (Cl)	mg/kg	50	ND
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

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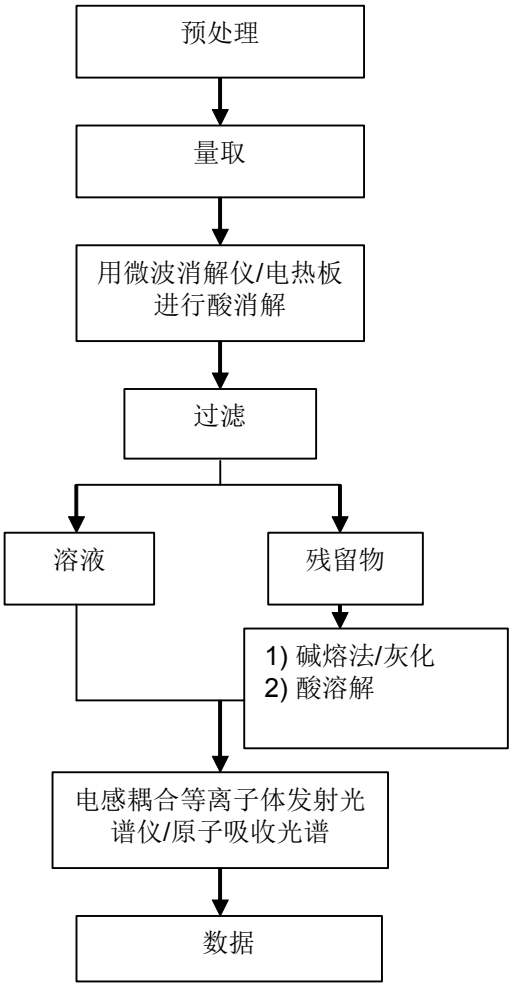
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元素(IEC62321) 测试流程图

1)样品按照下述流程被完全消解

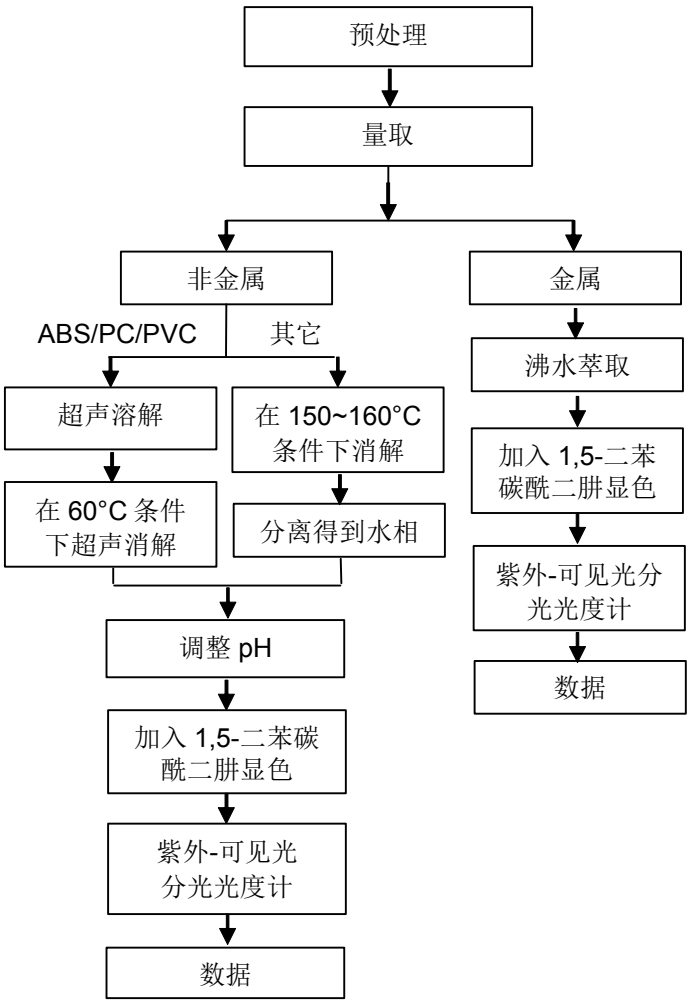


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六价铬测试流程图

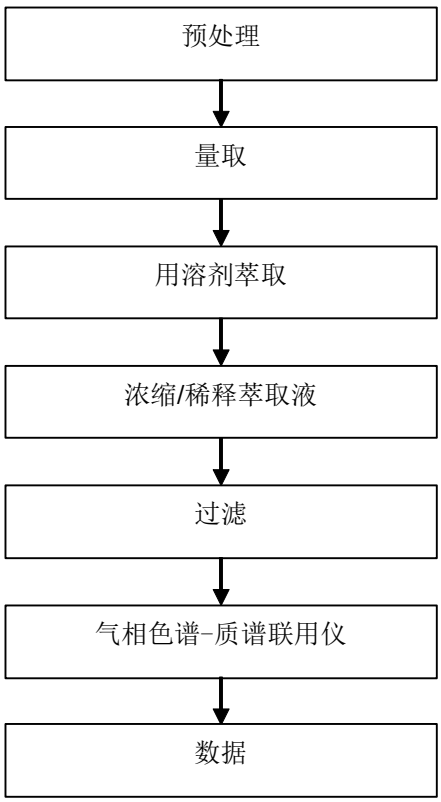


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PBBs/PBDEs 测试流程图



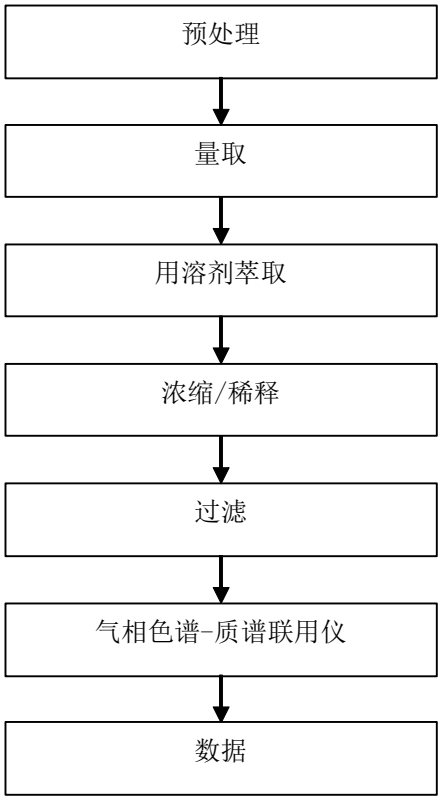
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Phthalates 测试流程图



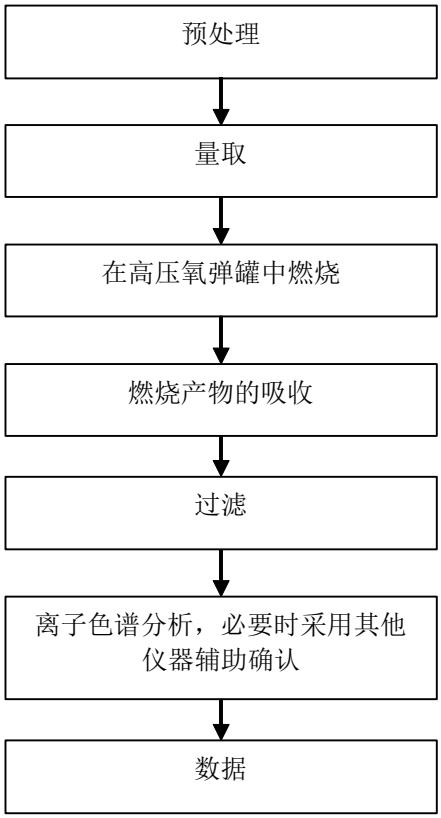
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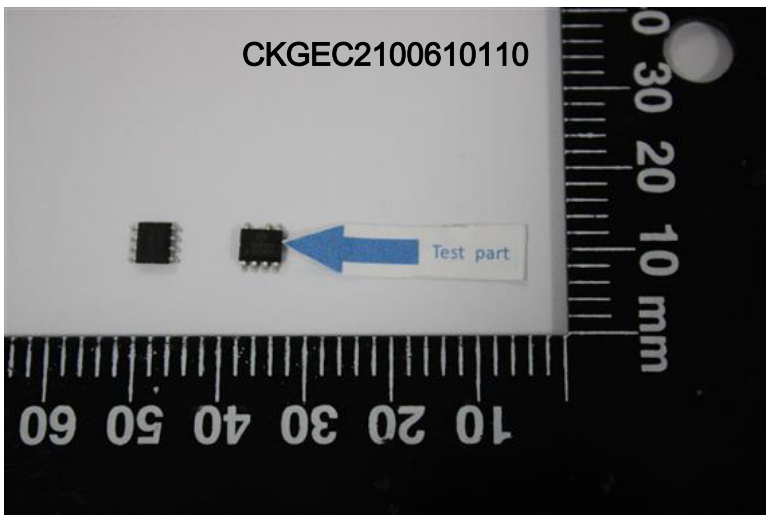
卤素 (氧弹法)测试流程图



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