

检测报告 编号: SHAEC2210115902 日期: 2022年08月11日 第1页,共11页

客户名称: 捷捷半导体有限公司

客户地址: 江苏省南通市苏通科技产业园井冈山路6号

样品名称: 平面器件芯片

以上样品及信息由客户提供。

SGS工作编号: SP22-014506 - SH 样品接收日期: 2022年07月18日

检测周期: 2022年07月18日 - 2022年07月22日

检测要求: 根据客户要求检测

检测方法: 请参见下一页 检测结果: 请参见下一页

基于所送样品进行的检测,镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯 结论:

> 醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄 酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的

> 检测结果符合欧盟RoHS指令2011/65/EU附录Ⅱ的修正指令(EU) 2015/863的限值

要求。

通标标准技术服务(上海)有限公司 授权签名

到盈妹

Annie Liu刘盈妹 批准签署人





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检测报告 编号: SHAEC2210115902 日期: 2022年08月11日 第2页,共11页

检测结果:

检测样品描述:

样品编号 SGS样品ID 描述

SN1 SHA22-101159.001 银色/灰色芯片

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

RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

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	<u>MDL</u>	<u>001</u>
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和(PBBs)	1000	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)	1000	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



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限值	<u>单位</u>	<u>MDL</u>	<u>001</u>
-	mg/kg	5	ND
-	mg/kg	5	ND
-	mg/kg	5	ND
-	mg/kg	5	ND
-	mg/kg	5	ND
-	mg/kg	5	ND
1000	mg/kg	50	ND
1000	mg/kg	50	ND
1000	mg/kg	50	ND
1000	mg/kg	50	ND
	- - - - - 1000 1000	- mg/kg - mg/kg - mg/kg - mg/kg - mg/kg - mg/kg 1000 mg/kg 1000 mg/kg	- mg/kg 5 1000 mg/kg 50 1000 mg/kg 50

备注:

(1) 最大允许极限值引用自RoHS指令(EU) 2015/863。 IEC 62321系列等同于 EN 62321系列

(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

检测方法: 参照EN 14582: 2016 方法 测定, 采用 IC进行分析,

检测项目	<u>单位</u>	<u>MDL</u>	<u>001</u>
氟 (F)	mg/kg	50	ND
氯 (CI)	mg/kg	50	ND
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

元素

检测方法: 参照US EPA 方法3052:1996测定, 采用ICP-OES进行分析.

检测项目	<u>单位</u>	<u>MDL</u>	<u>001</u>
铍 (Be)	mg/kg	5	ND
锑(Sb)	mg/kg	10	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。 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。



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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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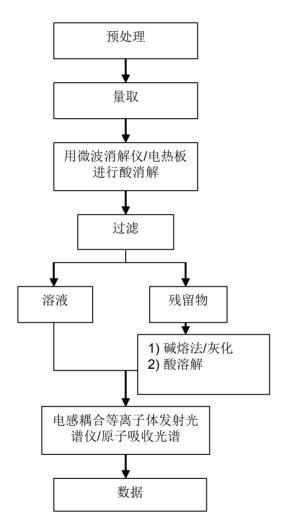
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附件

元素(IEC62321) 检测流程图

1) 样品按照下述流程被完全消解





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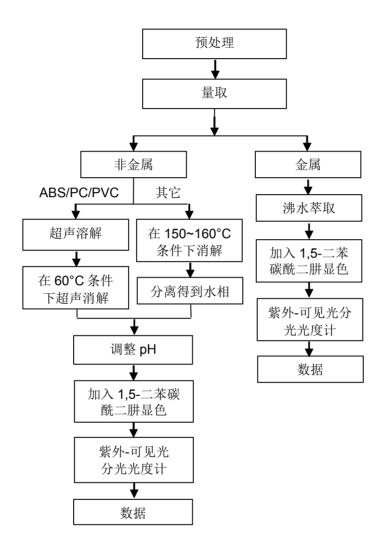


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六价铬检测流程图





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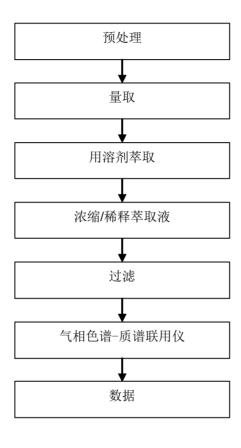


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PBBs/PBDEs 检测流程图





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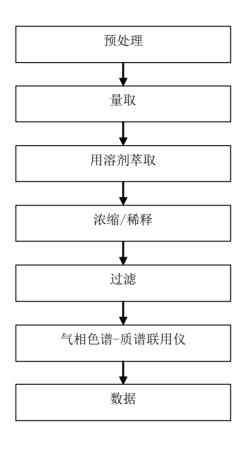


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Phthalates 检测流程图





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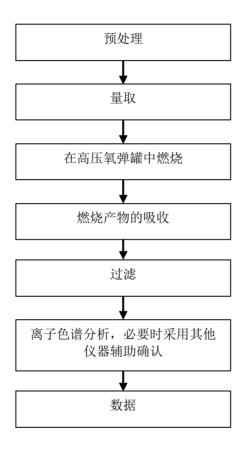


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Halogen(氧弹法)检测流程图





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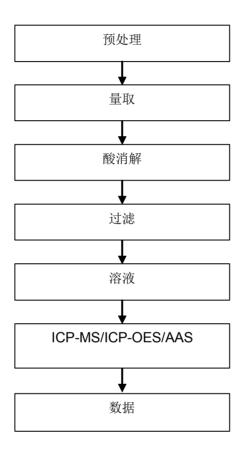


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元素检测流程图





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