



## 检测报告

编号: CANEC2207102206

日期: 2022年04月25日 第1页,共10页

客户名称: 捷捷半导体有限公司

客户地址: 南通市苏通科技产业园井冈山路6号

样品名称: SMC

型号: SMC

客户参考信息: TO-3P, TO-92, TO-92CR, TO-92UR, TO-92-2L, TO-220A, TO-220B, TO-220AB, TO-220C, TO-220C-2L, TO-251, TO-252, TO-220F, TO-220FP, TO-220FP-2L, TO-220HF, SOT-223, TO-247, TO-247J-2L, TO-247S, TO-247J, ITO-247, TO-263, DO-218AB, SMT0-218Tab, DO-15, DO-27, DO-41, SOD-123FL, SOD-123FLT, SOD-123, SMA, SMB, SMBF, R6, ABS, DBS, GBJ, GBU, KBP, MBF, MBS, SGBJ, SMD-4032, SMD-3225, SMT-4, SMTF, SMT, SMTJ, SMC-3, TO-277B

以上样品及信息由客户提供。

SGS工作编号: CP22-020094 - GZ

内部编号: 15943593

样品接收日期: 2022年04月19日

检测周期: 2022年04月19日 - 2022年04月25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

通标标准技术服务有限公司广州分公司  
授权签名

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批准签署人

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检测结果:

## 检测样品描述:

样品编号	SGS样品ID	描述
SN1	CAN22-071022.003	带芯片的黑色物料
SN2	CAN22-071022.004	银色金属
SN3	CAN22-071022.005	黑色本体(混合)

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

检测方法: 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。

检测项目	单位	MDL	005
镉 (Cd)	mg/kg	2	ND
铅 (Pb)	mg/kg	2	20984
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



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检测项目	单位	MDL	005
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
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

## 元素分析, 六价铬

检测方法: 参考IEC 62321-4:2013+A1:2017, IEC62321-5:2013, IEC 62321-7-1:2015, 采用 ICP-OES 和 UV-Vis 进行分析.

检测项目	单位	MDL	004
镉 (Cd)	mg/kg	2	ND
铅 (Pb)	mg/kg	2	16
汞 (Hg)	mg/kg	2	ND
六价铬(Cr(VI))▼	µg/cm²	0.10	ND

备注:

- (1) ▼=a. 当六价铬的浓度高于0.13 µg/cm²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/cm²)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/cm²与0.13 µg/cm²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, 用 IC分析。



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检测项目	单位	MDL	003
氟 (F)	mg/kg	50	ND
氯 (Cl)	mg/kg	50	120
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

## 聚氯乙烯(PVC)

检测方法: SGS内部方法(SGS-CCL-TOP-066-01), 采用FTIR进行分析。

检测项目	CAS NO.	单位	MDL	003
聚氯乙烯(PVC)	9002-86-2	-	-	阴性

备注:

(1) 阴性 = 未检测到, 阳性 = 已检测到

备注: 样品005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。

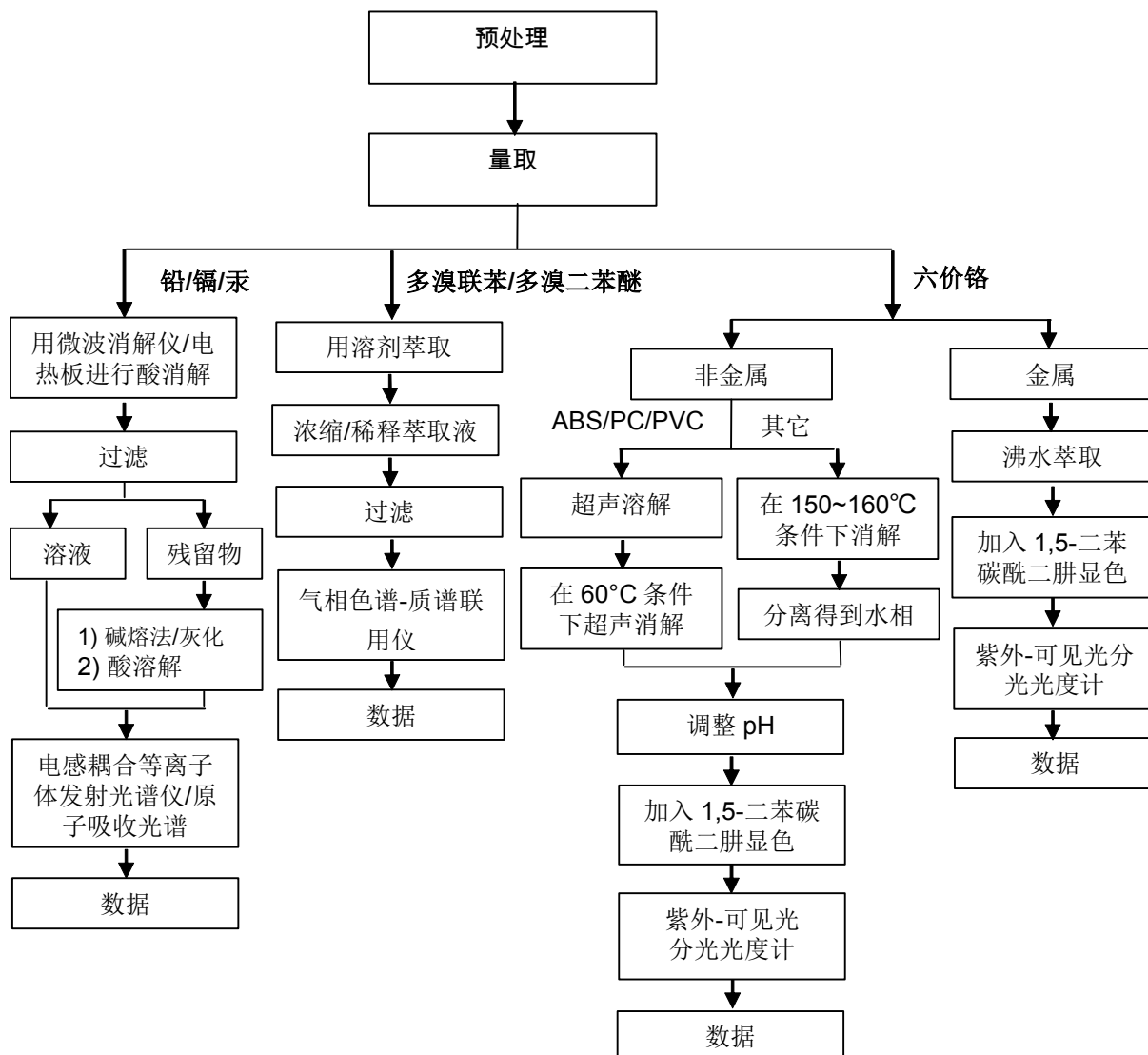




## 附件

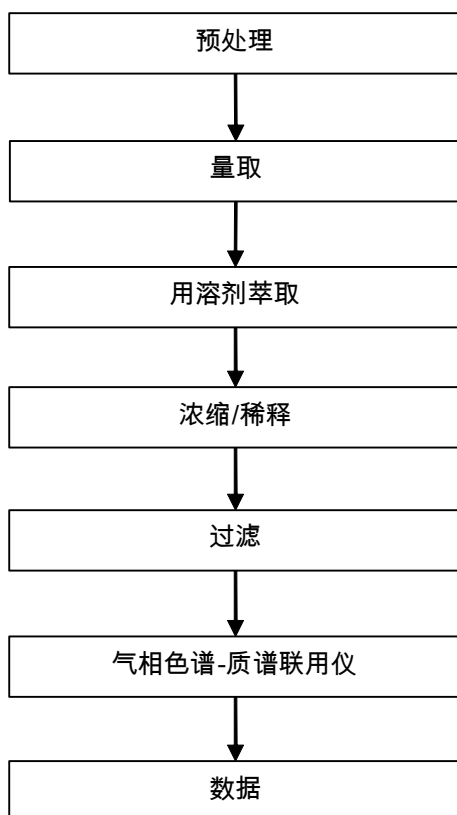
Pb/Cd/Hg/Cr<sup>6+</sup>/PBBs/PBDEs 检测流程图

1) 样品按照下述流程被完全消解(六价铬和多溴联苯/多溴二苯醚检测除外)。



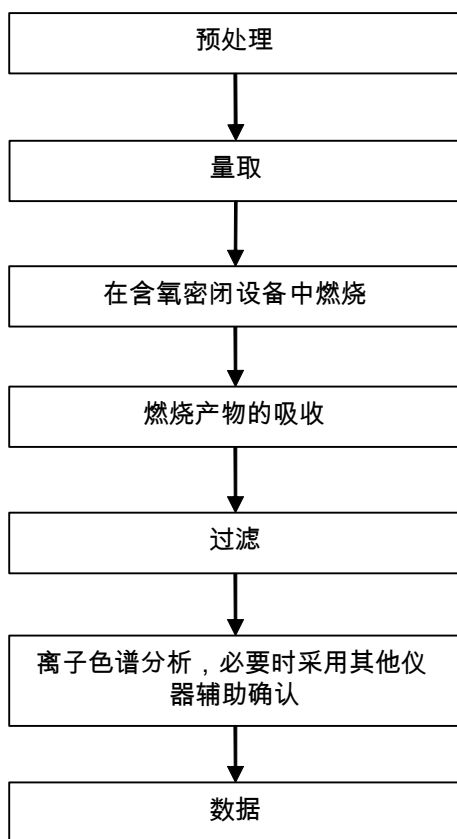
## 附件

## Phthalates 检测流程图



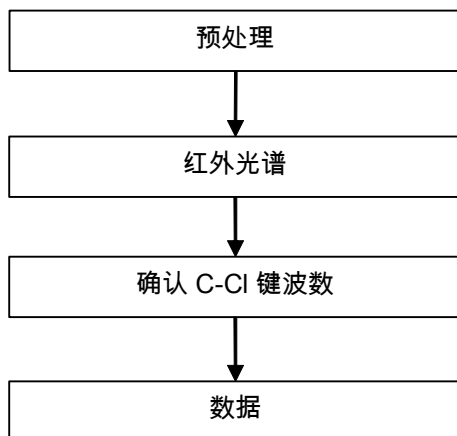
## 附件

## Halogen 检测流程图



## 附件

### PVC 检测流程图



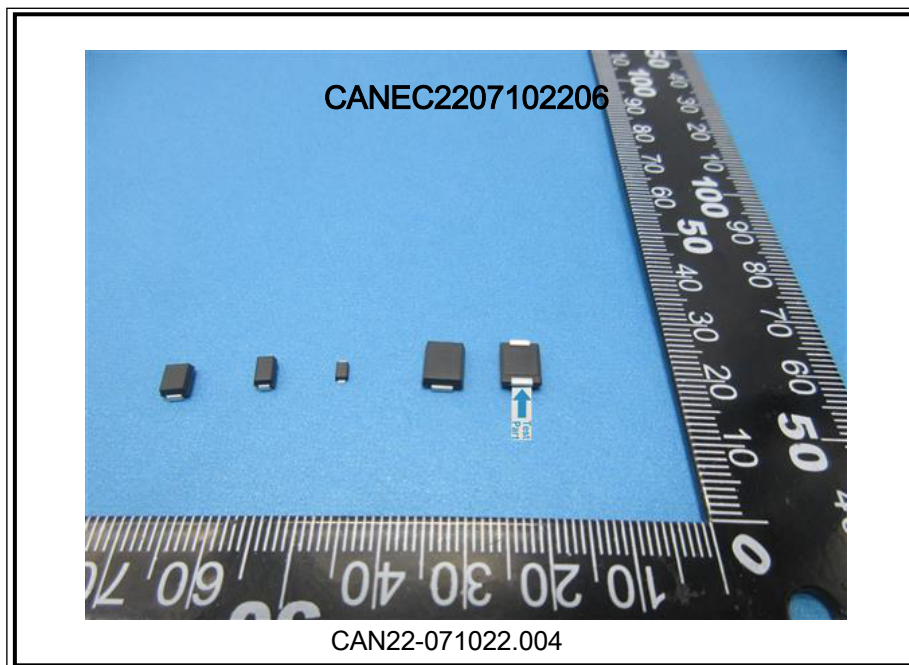
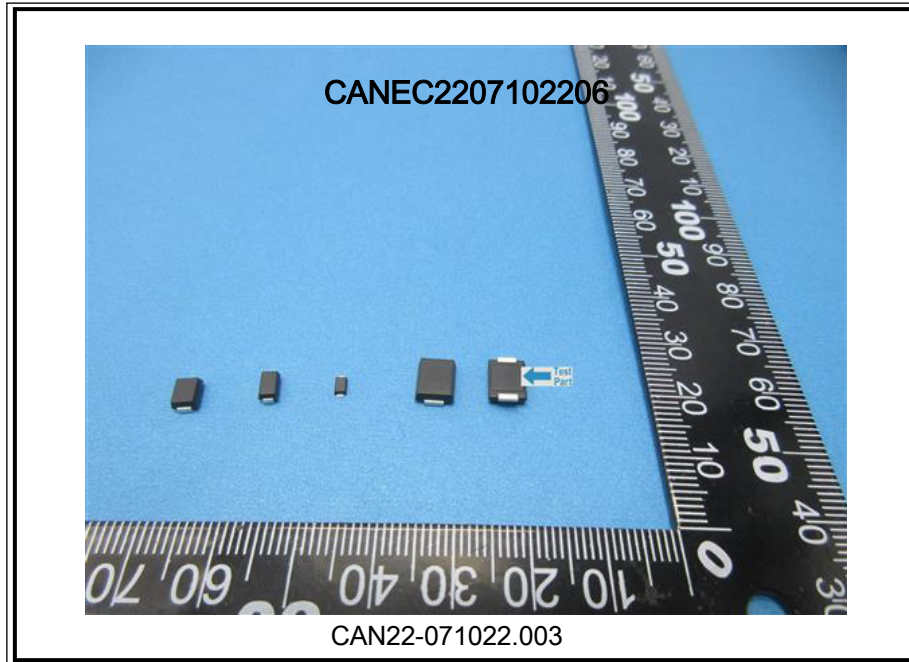


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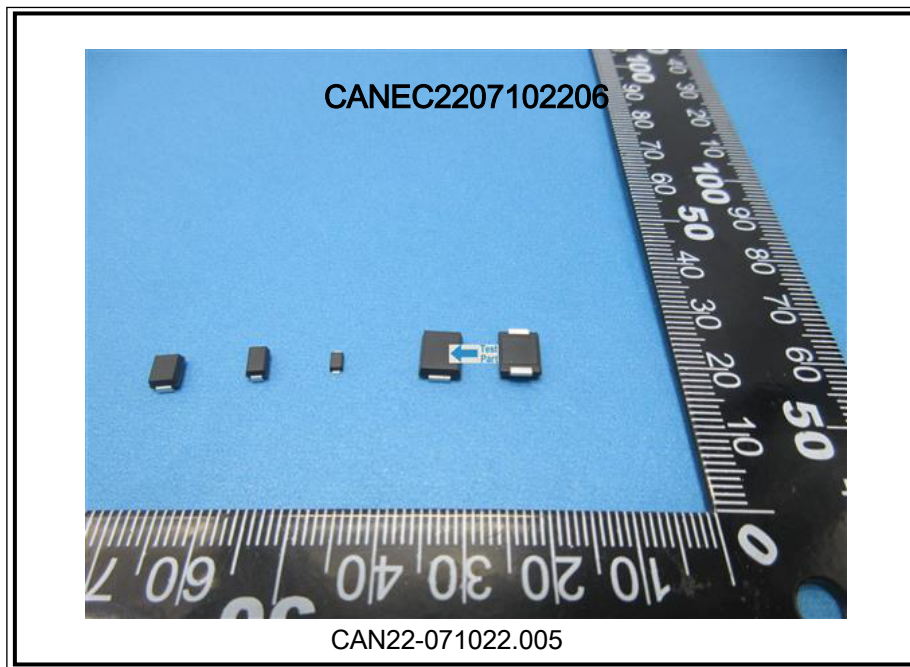
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