

检测报告

编号: CANEC26009815218

日期: 2026年05月09日

第1页, 共25页

客户名称: 建滔积层板控股有限公司
客户地址: 香港新界沙田安耀街三號匯達大廈二十三樓

样品名称: FR-4.1
型号: KB-6200G
以上样品及信息由客户提供。

SGS 工作编号: GZP26-010740
样品接收时间: 2026年04月21日
检测周期: 2026年04月21日 ~ 2026年04月29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 |
|--|-------|
| 欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-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) | 符合 |
| AfPS GS 2019:01 PAK-多环芳香烃 (PAHs) | 见检测结果 |
| 四溴双酚 A (TBBP-A) | 见检测结果 |
| 中链氯化石蜡(C14-C17) (MCCPs) | 见检测结果 |
| 苯并三唑类紫外吸收剂 | 见检测结果 |
| 双酚-A | 见检测结果 |
| 氯化石蜡 | 见检测结果 |

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批准签署人

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Guangzhou Branch Technical Services Co., Ltd. Chemical Laboratory.

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第2页, 共25页

| 检测要求 | 结论 |
|---|-------|
| 富马酸二甲酯 (DMFu) | 见检测结果 |
| 甲醛 | 见检测结果 |
| 六溴环十二烷(HBCDD) | 见检测结果 |
| 邻苯二甲酸酯 | 见检测结果 |
| 聚氯乙烯 (PVC) | 见检测结果 |
| 美国环保署有毒物质控制法 (TSCA) 第 6 (h) 节规定的持久性、生物累积性和毒性 (PBT) 化学物质 | 符合 |
| 卤素 | 见检测结果 |
| 红磷 | 见检测结果 |
| 元素分析 | 见检测结果 |

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 | A5 | CAN26-0098152-0001.C005 | 双面覆铜板 |

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

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-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 | 限值 | 单位 | MDL | A5 |
|---------------|------|-------|-----|----|
| 铅 (Pb) | 1000 | mg/kg | 2 | 12 |
| 汞 (Hg) | 1000 | mg/kg | 2 | ND |
| 镉 (Cd) | 100 | mg/kg | 2 | ND |
| 六价铬 (Cr(VI)) | 1000 | mg/kg | 8 | ND |
| 多溴联苯之和 (PBB) | 1000 | mg/kg | - | ND |
| 一溴联苯 (MonoBB) | - | mg/kg | 25 | ND |
| 二溴联苯 (DiBB) | - | mg/kg | 25 | ND |



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| 检测项目 | 限值 | 单位 | MDL | A5 |
|------------------------|------|-------|-----|----|
| 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) | 1000 | 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 |
| 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) | 1000 | mg/kg | 50 | ND |
| 邻苯二甲酸丁苄酯 (BBP) | 1000 | mg/kg | 50 | ND |
| 邻苯二甲酸二丁酯 (DBP) | 1000 | mg/kg | 50 | ND |
| 邻苯二甲酸二异丁酯 (DIBP) | 1000 | mg/kg | 50 | ND |

备注:

- (1) 最大允许限值引用自 RoHS 指令(EU) 2015/863。
- (2) IEC 62321 系列等同于 EN 62321 系列。
- (3) 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。

AfPS GS 2019:01 PAK-多环芳香烃 (PAHs)

检测方法: 参考 AfPS GS 2019:01 PAK, 采用 GC-MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|------------------------|----------|-------|-----|----|
| 苯并(a)芘 (BaP) | 50-32-8 | mg/kg | 0.1 | ND |
| 苯并(e)芘 (BeP) | 192-97-2 | mg/kg | 0.1 | ND |
| 苯并(a)蒽 (BaA) | 56-55-3 | mg/kg | 0.1 | ND |
| 苯并(b)荧蒽 (BbF) | 205-99-2 | mg/kg | 0.1 | ND |
| 苯并(j)荧蒽 (BjF) | 205-82-3 | mg/kg | 0.1 | ND |
| 苯并(k)荧蒽 (BkF) | 207-08-9 | mg/kg | 0.1 | ND |
| 蒽 (CHR) | 218-01-9 | mg/kg | 0.1 | ND |
| 二苯并(a,h)蒽 (DBA) | 53-70-3 | mg/kg | 0.1 | ND |
| 苯并(g,h,i)苝(二萘嵌苯) (BPE) | 191-24-2 | mg/kg | 0.1 | ND |



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| 检测项目 | CAS No. | 单位 | MDL | A5 |
|--|----------|-------|-----|----|
| 茚苯(1,2,3-c,d)芘 (IPY) | 193-39-5 | mg/kg | 0.1 | ND |
| 菲 (PHE) | 85-01-8 | mg/kg | 0.1 | ND |
| 芘 (PYR) | 129-00-0 | mg/kg | 0.1 | ND |
| 蒽 (ANT) | 120-12-7 | mg/kg | 0.1 | ND |
| 荧蒽 (FLT) | 206-44-0 | mg/kg | 0.1 | ND |
| 4项多环芳香烃总和[菲 (PHE), 芘 (PYR), 蒽 (ANT), 荧蒽 (FLT)] | - | mg/kg | - | ND |
| 萘 (NAP) | 91-20-3 | mg/kg | 0.1 | ND |
| 15项多环芳香烃总和 | - | mg/kg | - | ND |
| 材料分类 | - | - | - | - |

备注:

AfPS(德国产品安全委员会): 认证对多环芳香烃的要求

| 参数 单位: mg/kg | 1类 | 2类 | | 3类 | |
|-------------------------------------|--|--|--------------|--|--------------|
| | 设计意图为放入口中的材料, 或与皮肤长期接触 (超过 30 秒) 的材料用于 -2009/48/EC 定义的玩具, 或 -供 3 岁以下儿童 a,b 使用。 | 不属于第 1 类, 设计意图或可预见 ^d 与皮肤长期接触 (超过 30 秒) 或短期重复接触 ^e 的材料 | | 不属于第 1 类和 2 类, 设计意图或可预见与皮肤短期接触 (不超过 30 秒) 材料 | |
| | | a. 供儿童使用的产品 | b. 其他产品 | a. 供儿童使用的产品 | b. 其他产品 |
| 苯并(a)芘 (BaP) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 苯并(e)芘 (BeP) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 苯并(a)蒽 (BaA) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 苯并(b)荧蒽 (BbF) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 苯并(j)荧蒽 (BjF) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 苯并(k)荧蒽 (BkF) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 蒎 (CHR), mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 二苯并(a,h)蒽 (DBA) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 苯并(g,h,i)花(二萘嵌苯) (BPE) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 茚苯(1,2,3-c,d)芘 (IPY) | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 菲 (PHE), 芘 (PYR), 蒽 (ANT), 荧蒽 (FLT) | < 1 (总和) | < 5 (总和) | < 10 (总和) | < 20 (总和) | < 50 (总和) |
| 萘 (NAP) | < 1 | < 2 | | < 10 | |
| 15 PAH 之和 | < 1 | < 5 | < 10 | < 20 | < 50 |

注释:

- a 儿童是指法定年龄未满 14 周岁的人。
- b 供儿童使用包括儿童的主动接触或被动接触。
- c “短期重复接触”的定义摘自 REACH 附录 XVII 第 50 条修正案 ((EC) No. 1272/2013)。



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第5页, 共25页

根据德国产品安全法 (ProdSG) (第一章第2条第28款) 的定义, “可预见的使用”是指将产品投放市场的人无意但可以合理预见的方式使用产品。

备注:

德国产品安全委员会 (AfPS) 于 2020 年 4 月 10 日发布了关于多环芳香烃 (PAHs) 的新文件 (AfPS GS 2019:01 PAK), 该文件将于 2020 年 7 月 1 日起用于 GS-MARK 认证。

四溴双酚 A (TBBP-A)

检测方法: 参考 US EPA 3550C: 2007, 采用 GC-MS 或 LC-MS 或 LC-MS/MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|----------------|---------|-------|-----|----|
| 四溴双酚 A(TBBP-A) | 79-94-7 | mg/kg | 5 | ND |

中链氯化石蜡(C14-C17) (MCCPs)

检测方法: 参考 ISO 22818:2021, 采用 GC-NCI-MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|---|----------------|-------|-----|----|
| 中链氯化石蜡(C ₁₄ -C ₁₇) (MCCPs) | 85535-85-9 和其它 | mg/kg | 50 | ND |

苯并三唑类紫外吸收剂

检测方法: 参考 SGS 内部方法, 采用 GC-MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|--|------------|-------|-----|----|
| 2-(2'-羟基-3',5'-二叔丁基苯基)苯并三唑 (UV-320) | 3846-71-7 | mg/kg | 5 | ND |
| 2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 (UV-350) | 36437-37-3 | mg/kg | 5 | ND |
| 2-(2'-羟基-3',5'-二叔戊基苯基)苯并三唑 (UV-328) | 25973-55-1 | mg/kg | 5 | ND |
| 2-(2'-羟基-3',5'-二叔丁基苯基)-5-氯代苯并三唑 (UV-327) | 3864-99-1 | mg/kg | 5 | ND |

双酚-A

检测方法: 参考 US EPA 3550C:2007, 采用 HPLC-DAD/MS / LC-MS/MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|------|---------|-------|-----|----|
| 双酚-A | 80-05-7 | mg/kg | 1.0 | ND |

氯化石蜡

检测方法: 参考 ISO 22818:2021, 采用 GC-NCI-MS 进行分析。



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| 检测项目 | CAS No. | 单位 | MDL | A5 |
|---|------------|-------|-----|----|
| C ₁₀ -C ₁₃ 氯代烃(短链氯化石蜡)(SCCPs) | 85535-84-8 | mg/kg | 50 | ND |

富马酸二甲酯 (DMFu)

检测方法: 溶剂萃取, 采用 GC-MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|--------------|----------|-------|-----|----|
| 富马酸二甲酯(DMFu) | 624-49-7 | mg/kg | 0.1 | ND |

甲醛

检测方法: 参考 ISO 14184-1:2011, 采用 UV-Vis 进行分析。

| 检测项目 | 单位 | MDL | A5 |
|------|-------|-----|----|
| 甲醛 | mg/kg | 16 | ND |

六溴环十二烷(HBCDD)

检测方法: 参考 IEC 62321-9:2021, 采用 GC-MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|----------------|--|-------|-----|----|
| 六溴环十二烷 (HBCDD) | 134237-50-6 /134237-51-7 /134237-52-8 /25637-99-4 /3194-55-6 | mg/kg | 20 | ND |

邻苯二甲酸酯

检测方法: 参考 IEC 62321-8:2017, 采用 GC-MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|------------------------|---------------------------|-------|-----|----|
| 邻苯二甲酸二丁酯 (DBP) | 84-74-2 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-乙基己基)酯(DEHP) | 117-81-7 | mg/kg | 50 | ND |
| 邻苯二甲酸丁苄酯(BBP) | 85-68-7 | mg/kg | 50 | ND |
| 邻苯二甲酸二异壬酯(DINP) | 28553-12-0 /68515-48-0 | mg/kg | 50 | ND |
| 邻苯二甲酸二辛酯(DNOP) | 117-84-0 | mg/kg | 50 | ND |
| 邻苯二甲酸二异癸酯(DIDP) | 26761-40-0 /68515-49-1 | mg/kg | 50 | ND |
| 邻苯二甲酸二异丁酯(DIBP) | 84-69-5 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-甲氧基乙基)酯(DMEP) | 117-82-8 | mg/kg | 50 | ND |
| 邻苯二甲酸二正己酯(DnHP) | 84-75-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二戊酯 (DPENP/ DnPP) | 131-18-0 | mg/kg | 50 | ND |



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| 检测项目 | CAS No. | 单位 | MDL | A5 |
|-----------------------------|-------------|-------|-----|----|
| 邻苯二甲酸二苯酯(DPhP) | 84-62-8 | mg/kg | 50 | ND |
| 邻苯二甲酸双十一酯(DUDP) | 3648-20-2 | mg/kg | 50 | ND |
| 邻苯二甲酸二甲酯(DMP) | 131-11-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二乙酯(DEP) | 84-66-2 | mg/kg | 50 | ND |
| 邻苯二甲酸二丙酯(DPrP) | 131-16-8 | mg/kg | 50 | ND |
| 邻苯二甲酸二环己酯(DCHP) | 84-61-7 | mg/kg | 50 | ND |
| 邻苯二甲酸二苯甲酯(DBzP) | 523-31-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二壬酯(DNP) | 84-76-4 | mg/kg | 50 | ND |
| 邻苯二甲酸二异辛酯(DIOP) | 27554-26-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二丙烯酯(DAP) | 131-17-9 | mg/kg | 50 | ND |
| 1,2-苯二甲酸癸基辛基酯(nDnOP) | 119-07-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二癸酯(DnDP) | 84-77-5 | mg/kg | 50 | ND |
| 邻苯二甲酸二异戊酯(DiPP) | 605-50-5 | mg/kg | 50 | ND |
| 邻苯二甲酸正戊基异戊基酯(nPiPP) | 776297-69-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-丁氧基)乙酯(DBEP) | 117-83-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二(4-甲基-2-戊基)酯(BMPP) | 146-50-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-乙氧基)乙酯(DEEP) | 605-54-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二 C6-C8 支链烷基酯(DIHP) | 71888-89-6 | mg/kg | 50 | ND |
| 邻苯二甲酸二正庚酯(DnHpP) | 3648-21-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二(C7,C9,C11)烷基酯(DHNUP) | 68515-42-4 | mg/kg | 50 | ND |
| 邻苯二甲酸二(支链与直链)戊基酯(DPP) | 84777-06-0 | mg/kg | 50 | ND |
| 邻苯二甲酸双十三烷基酯(DTDP) | 119-06-2 | mg/kg | 50 | ND |
| 邻苯二甲酸二(支链与直链)己基酯(DHxP) | 68515-50-4 | mg/kg | 50 | ND |
| 己二酸二(2-乙基己基)酯(DEHA) | 103-23-1 | mg/kg | 50 | ND |
| 对苯二甲酸二(2-乙基己基)酯(DOTP) | 6422-86-2 | mg/kg | 50 | ND |
| 己二酸二异壬酯(DINA) | 33703-08-1 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-丙基庚基)酯(DPHpP) | 53306-54-0 | mg/kg | 50 | ND |
| 乙酰柠檬酸三丁酯(ATBC) | 77-90-7 | mg/kg | 50 | ND |
| 偏苯三酸三(2-乙基己基)酯(TOTM) | 3319-31-1 | mg/kg | 50 | ND |

聚氯乙烯 (PVC)

检测方法: 参考 SGS 内部方法, 采用 FTIR/HATR 进行分析。

| 检测项目 | A5 |
|-----------|----|
| 聚氯乙烯(PVC) | 阴性 |

备注:

(1) 阴性=未检测到, 阳性= 已检测到。



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检测报告

编号: CANEC26009815218

日期: 2026年05月09日

第8页, 共25页

美国环保署有毒物质控制法 (TSCA) 第6(h)节规定的持久性、生物累积性和毒性 (PBT) 化学物质

检测方法: 参考 US EPA 3550C:2007, 采用 GC-MS 进行分析。

| 检测项目 | CAS No. | 限值 | 单位 | MDL | A5 |
|---------------------------|------------|-------|-------|-----|----|
| 十溴二苯醚 (Deca-BDE) | 1163-19-5 | 1000 | mg/kg | 5 | ND |
| 异丙基化磷酸三苯酯 (PIP 3:1) | 68937-41-7 | 1000 | mg/kg | 5 | ND |
| 2,4,6-三叔丁基苯酚 (2,4,6-TTBP) | 732-26-3 | 3000 | mg/kg | 5 | ND |
| 六氯丁二烯 (HCBD) | 87-68-3 | 禁用 | mg/kg | 5 | ND |
| 五氯苯硫酚 (PCTP) | 133-49-3 | 10000 | mg/kg | 5 | ND |
| 结论 | | | | | 符合 |

备注:

(1) 法规信息请参见下链接

<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under>.

(2) 针对十溴二苯醚 (Deca-BDE)和异丙基化磷酸三苯酯 (PIP 3:1) 的规定于 2025年1月21日生效。

实施实验室活动的地点: 广东省广州市黄埔区开创大道 1501号3栋101房

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 | A5 |
|--------|-------|-----|-----|
| 氟 (F) | mg/kg | 20 | 830 |
| 氯 (Cl) | mg/kg | 50 | ND |
| 溴 (Br) | mg/kg | 50 | ND |
| 碘 (I) | mg/kg | 50 | ND |

红磷

检测方法: SGS 内部方法, 采用 PY-GC/MS/ ICP-OES / GC-MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A5 |
|------|-----------|-------|-----|----|
| 红磷 | 7723-14-0 | mg/kg | 500 | ND |

元素分析

检测方法: 参考 US EPA 3052:1996, 采用 ICP-OES/AAS 进行分析。

| 检测项目 | 单位 | MDL | A5 |
|-------|-------|-----|----|
| 砷(As) | mg/kg | 10 | ND |
| 铍(Be) | mg/kg | 5 | ND |
| 镍(Ni) | mg/kg | 5 | ND |



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检测报告

编号: CANEC26009815218

日期: 2026年05月09日

第9页, 共25页

| 检测项目 | 单位 | MDL | A5 |
|-------|-------|-----|----|
| 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。
 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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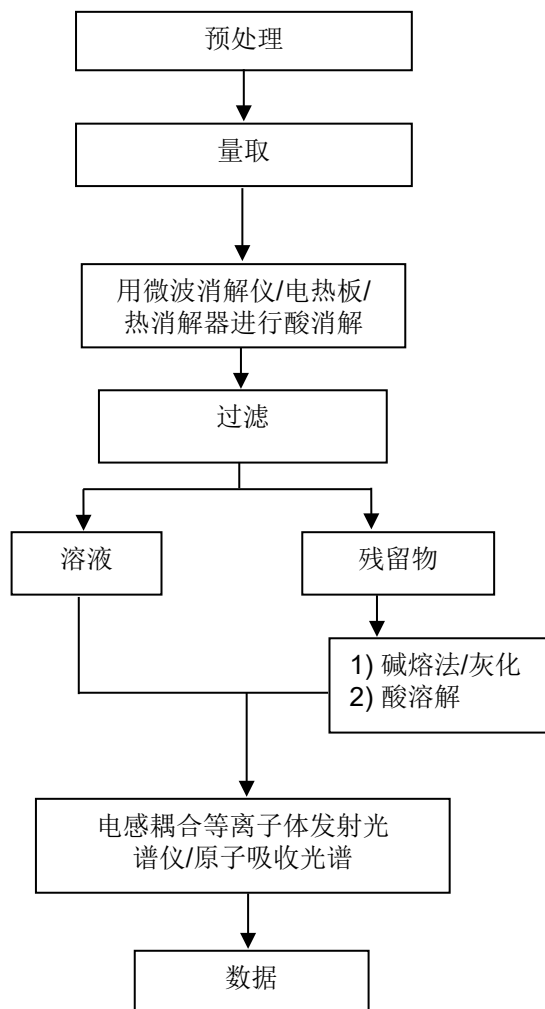
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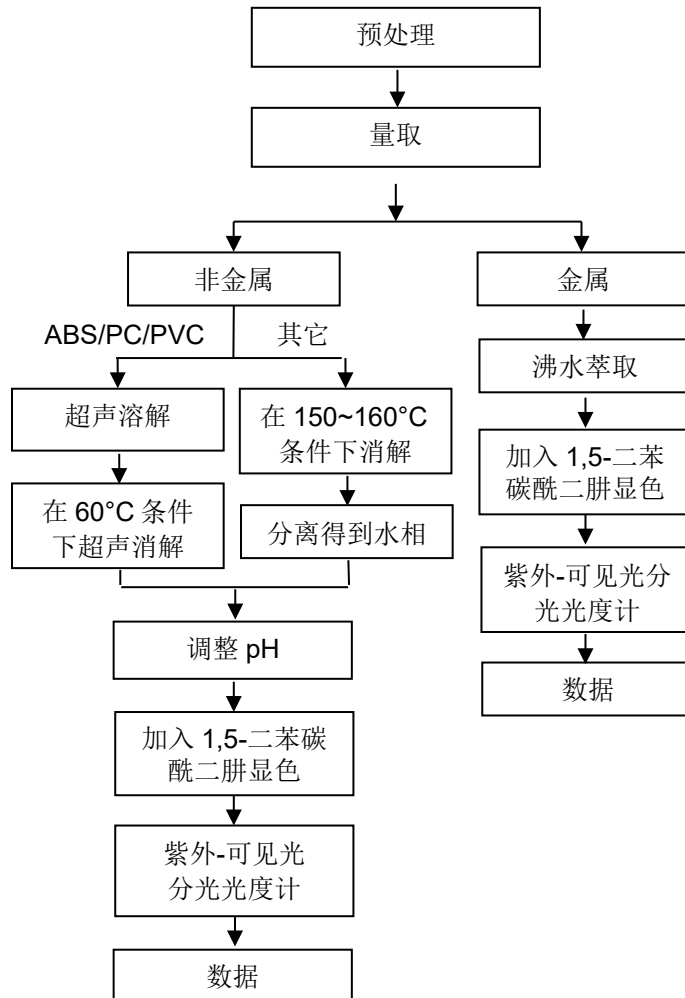
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元素检测流程图

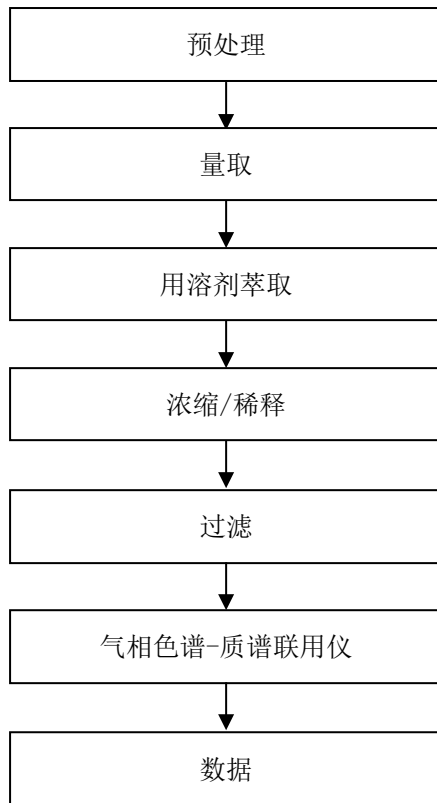
样品中的 Pb/Cd/Hg 按照下述流程被完全消解。



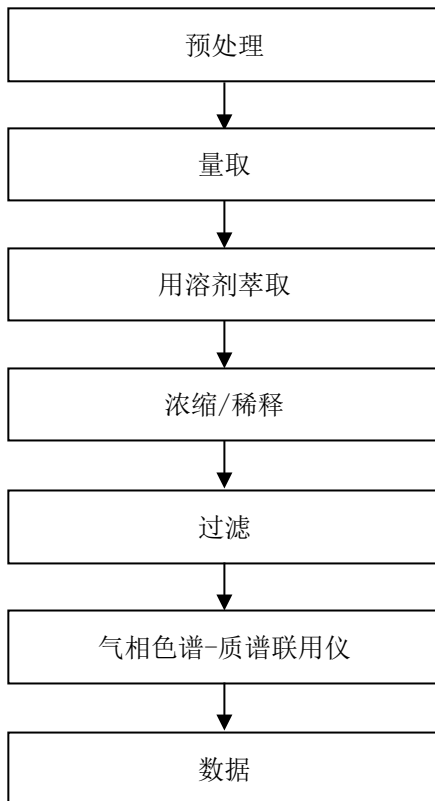
六价铬检测流程图



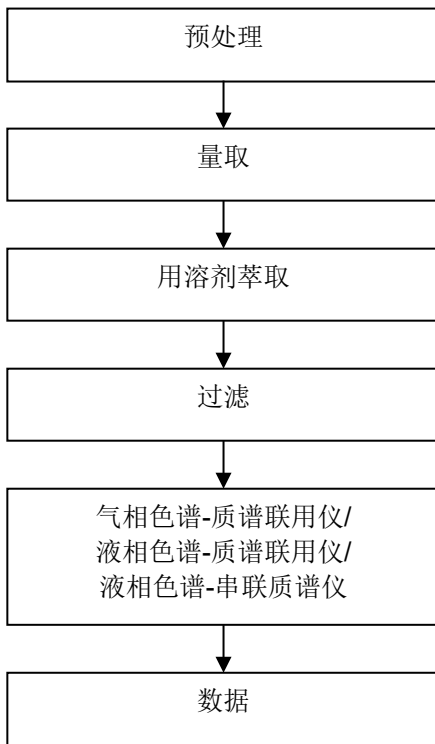
PBB(s)/PBDE(s)/Phthalates 检测流程图



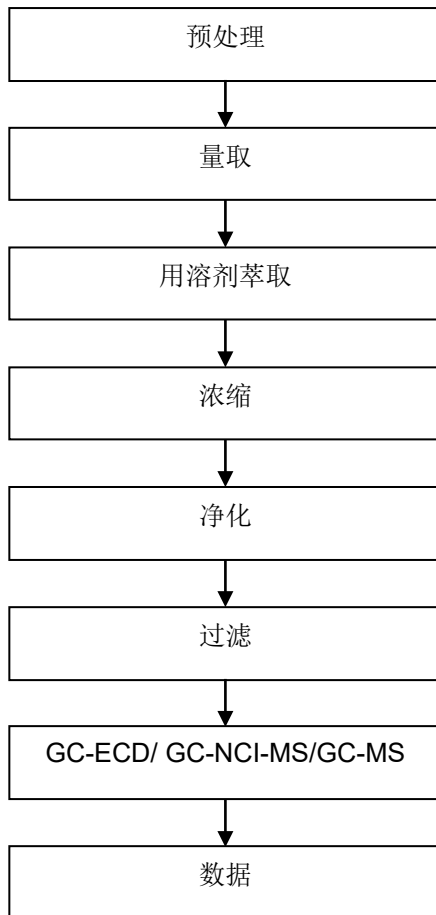
PAHs 检测流程图



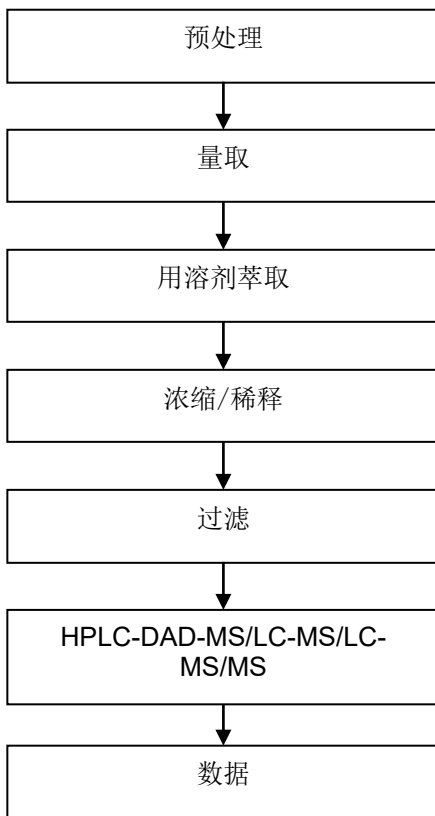
TBBP-A 检测流程图



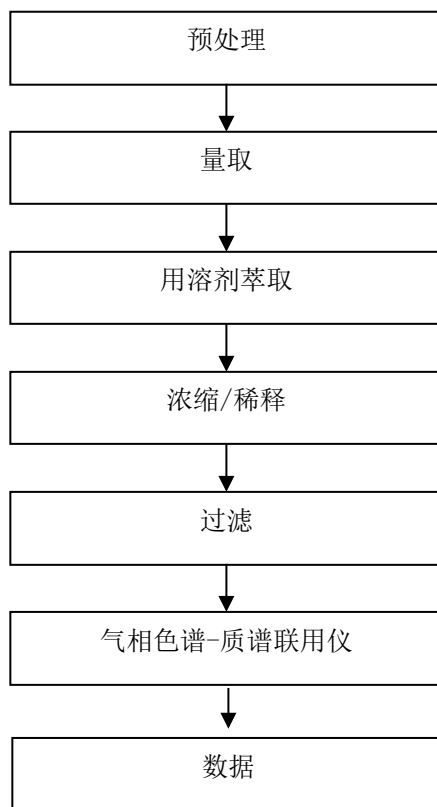
氯化石蜡检测流程图



双酚类化合物检测流程图

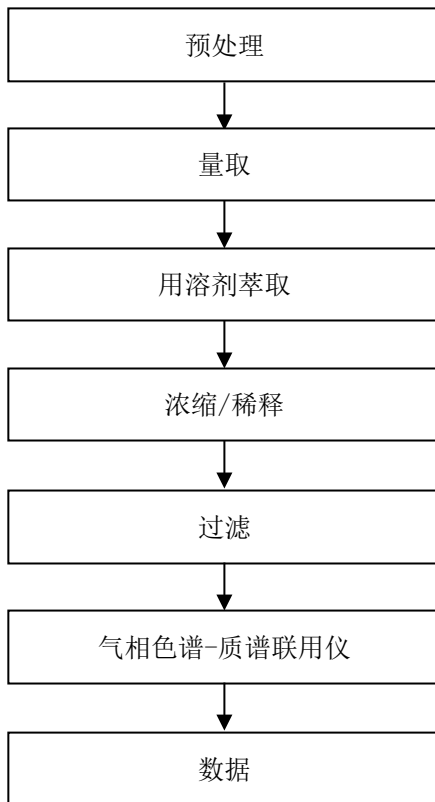


DMF(富马酸二甲酯)检测流程图

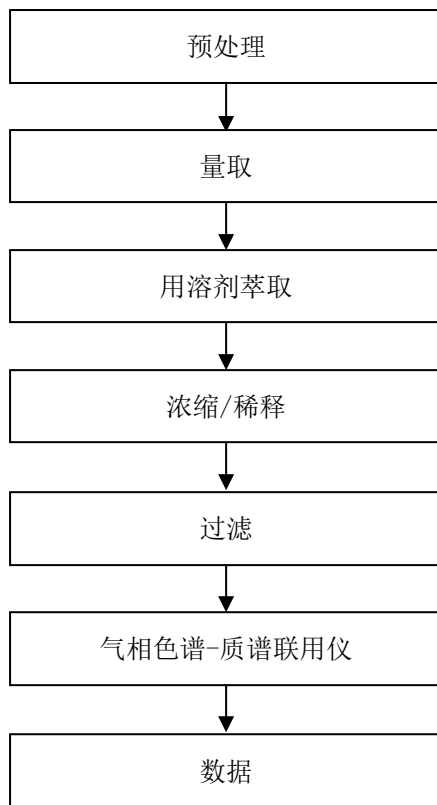


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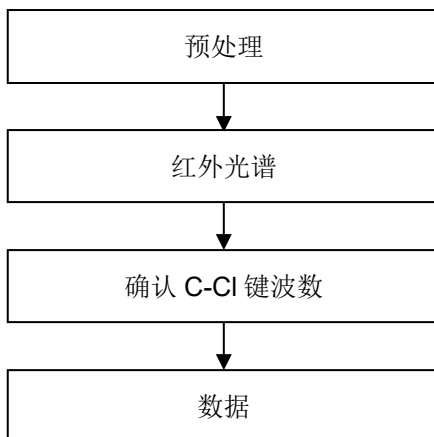
HBCDD 检测流程图



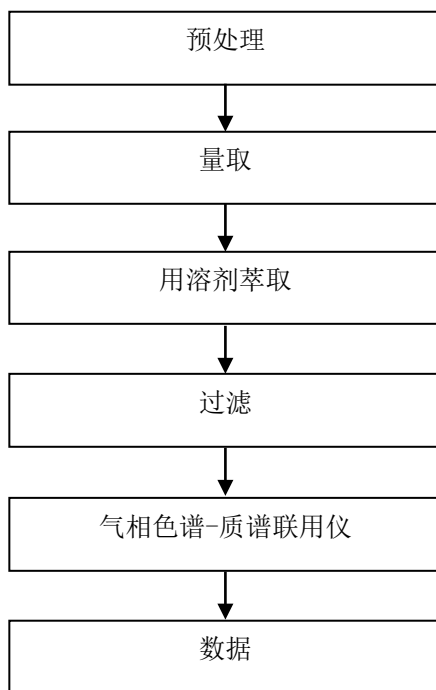
Phthalates 检测流程图



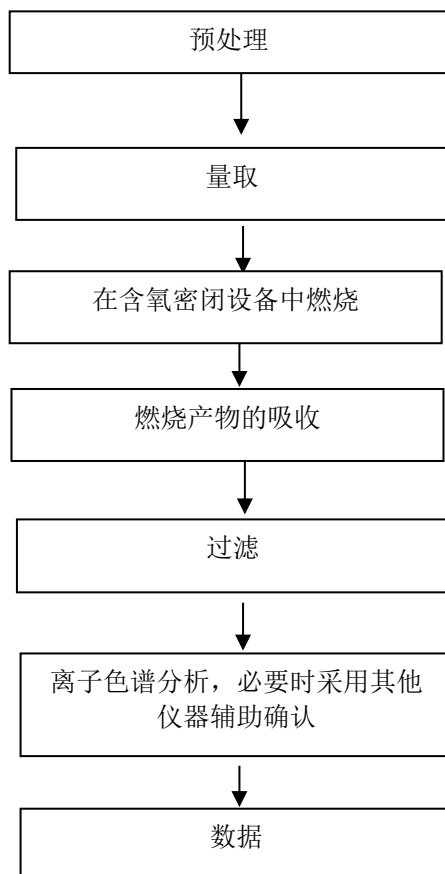
PVC 检测流程图



持久性、生物累积性和毒性 (PBT) 化学物质检测流程图

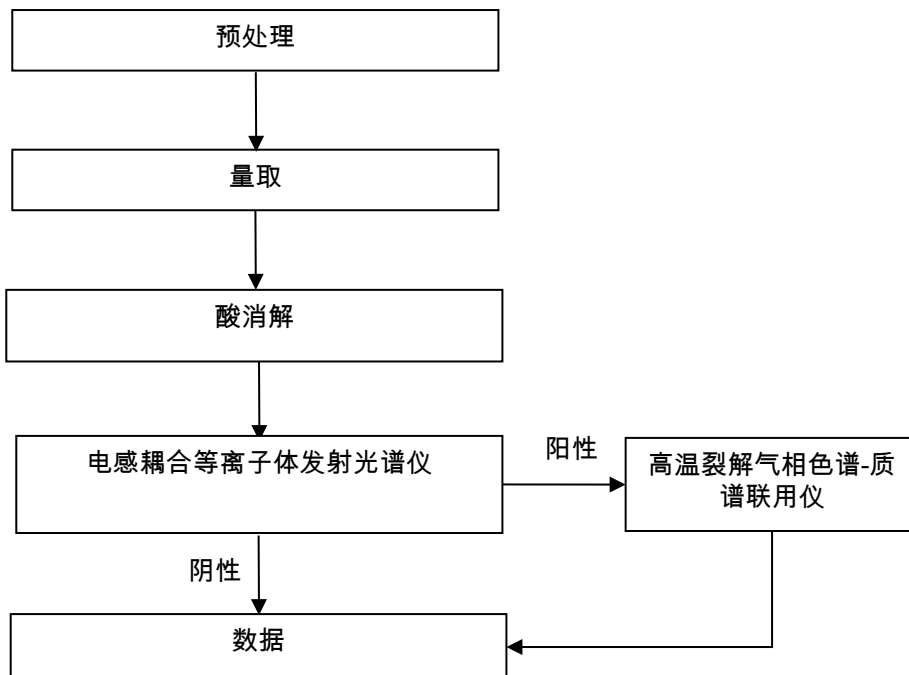


卤素检测流程图

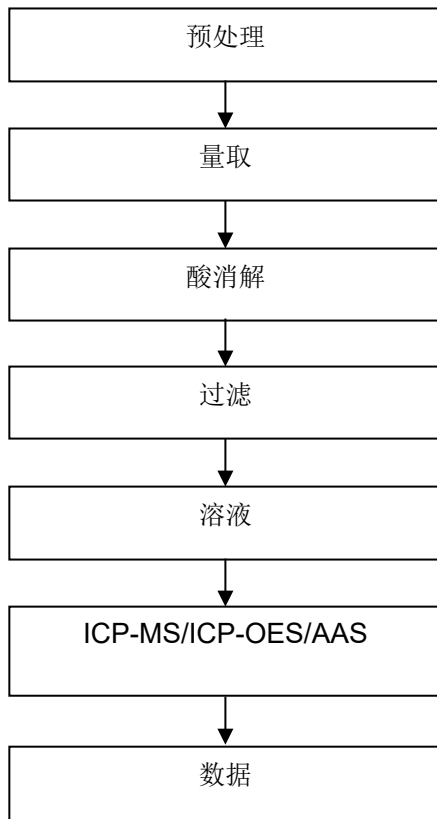


附件

红磷检测流程图



元素检测流程图



检测报告

编号: CANEC26009815218

日期: 2026年05月09日

第25页, 共25页

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