

检测报告

编号: SHAEC22001600302

日期: 2022 年 09 月 20 日

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客户名称 : 上海昌全硅胶干燥剂有限公司
客户地址 : 上海市嘉定区南翔镇沪宜公路 1168 号 510-514 室

样品名称 : 硅胶干燥剂

以上样品及信息由客户提供。

SGS 工作编号 : SP22-021207
样品接收时间 : 2022 年 09 月 14 日
检测周期 : 2022 年 09 月 14 日 ~ 2022 年 09 月 20 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
二氯化钴	见检测结果
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(PBBs)、多溴二苯醚(PBDEs)、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)	符合
欧盟决议(EU) No 412/2012 及 1907/2006/EC Reach 附录 XVII 第 61 条修正案 - 富马酸二甲酯(DMF)	符合
卤素	见检测结果

通标标准技术服务(上海)有限公司
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盛雯舒

Sue Sheng 盛雯舒
批准签署人

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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	A1	SHA22-0016003-0001.C001	无色透明颗粒

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

二氯化钴

检测方法: 参考 SGS 内部方法, 采用 IC 和 ICP-OES 进行分析。

检测项目	CAS No.	单位	MDL	A1
二氯化钴 ◆	7646-79-9	mg/kg	100	ND

备注:

- (1) ◆二氯化钴的结果是由氯和钴含量换算得之。

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(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁基酯(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)

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, UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	A1
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(MonoBB)	-	mg/kg	5	ND
二溴联苯(DiBB)	-	mg/kg	5	ND
三溴联苯(TriBB)	-	mg/kg	5	ND
四溴联苯(TetraBB)	-	mg/kg	5	ND
五溴联苯(PentaBB)	-	mg/kg	5	ND
六溴联苯(HexaBB)	-	mg/kg	5	ND
七溴联苯(HeptaBB)	-	mg/kg	5	ND
八溴联苯(OctaBB)	-	mg/kg	5	ND
九溴联苯(NonaBB)	-	mg/kg	5	ND
十溴联苯(DecaBB)	-	mg/kg	5	ND



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检测项目	限值	单位	MDL	A1
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚(MonoBDE)	-	mg/kg	5	ND
二溴二苯醚(DiBDE)	-	mg/kg	5	ND
三溴二苯醚(TriBDE)	-	mg/kg	5	ND
四溴二苯醚(TetraBDE)	-	mg/kg	5	ND
五溴二苯醚(PentaBDE)	-	mg/kg	5	ND
六溴二苯醚(HexaBDE)	-	mg/kg	5	ND
七溴二苯醚(HeptaBDE)	-	mg/kg	5	ND
八溴二苯醚(OctaBDE)	-	mg/kg	5	ND
九溴二苯醚(NonaBDE)	-	mg/kg	5	ND
十溴二苯醚(DecaBDE)	-	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	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(2-乙基己基)酯 (DEHP)	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。

欧盟决议(EU) No 412/2012 及 1907/2006/EC Reach 附录 XVII 第 61 条修正法案 - 富马酸二甲酯(DMF)

检测方法: 溶剂萃取, 采用 GC-MS 进行分析。

检测项目	限值	单位	MDL	A1
富马酸二甲酯 (DMF)	0.1	mg/kg	0.03	ND
结论				符合

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	A1
氟 (F)	mg/kg	50	ND
氯 (Cl)	mg/kg	50	ND
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

除非另有说明, 否则本检测报告中所示的检测结果仅对来样负责。本报告未经本公司书面许可, 不可部分复制。

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。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。



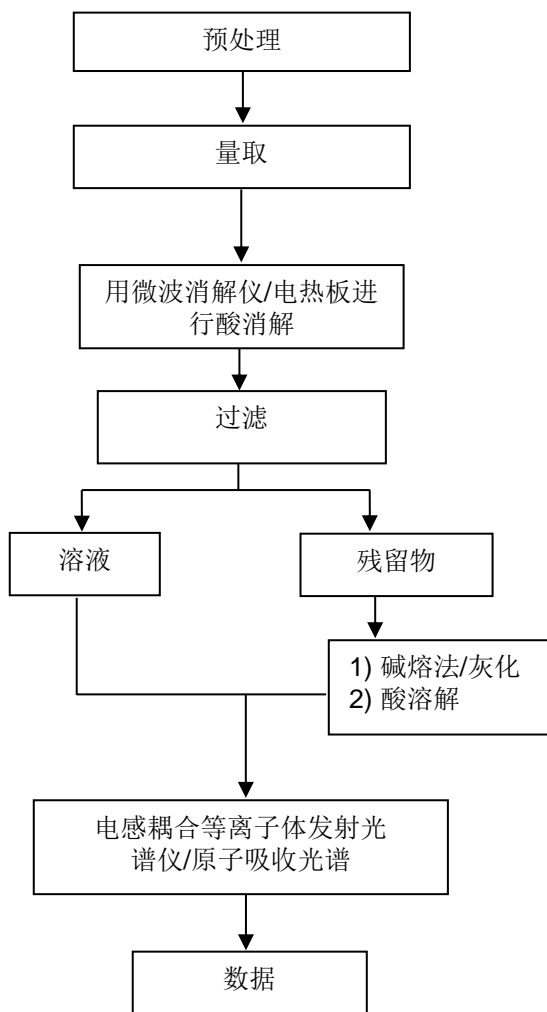
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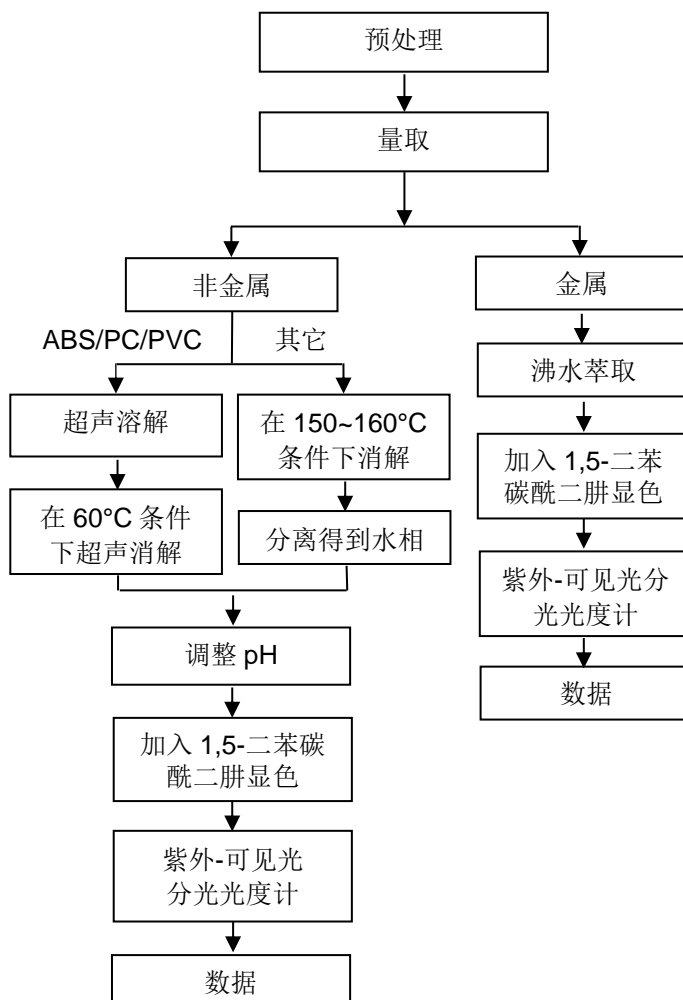
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元素(IEC62321) 检测流程图

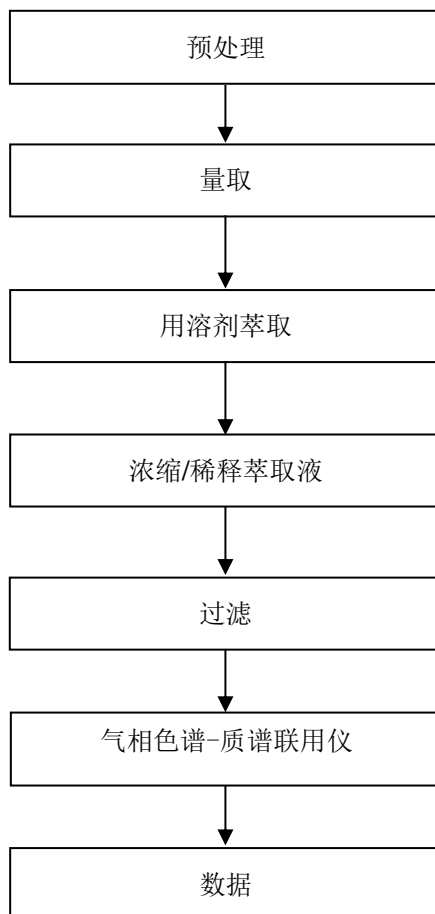
样品按照下述流程被完全消解



六价铬检测流程图



PBBs/PBDEs 检测流程图



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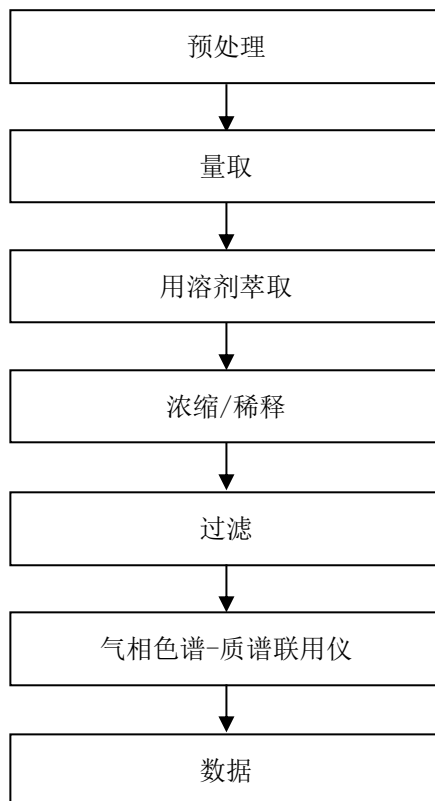
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Phthalates 检测流程图



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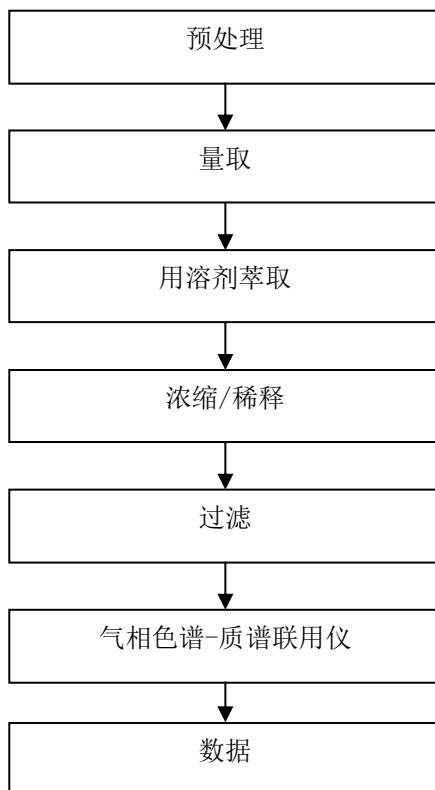
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DMF(富马酸二甲酯)检测流程图



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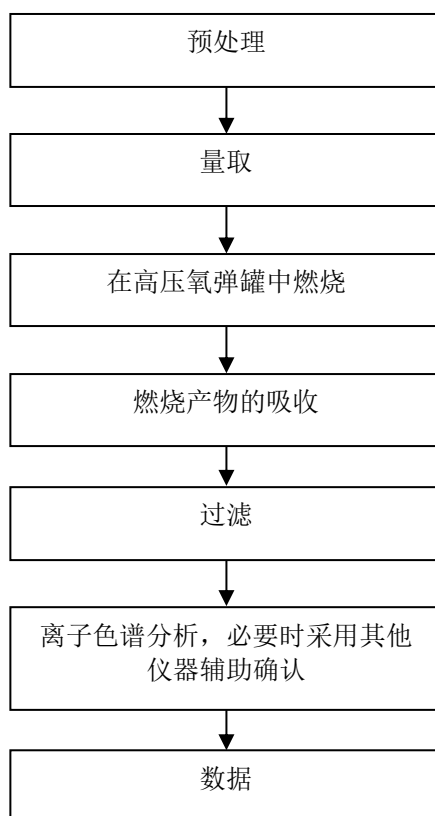
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Halogen(氧弹法)检测流程图



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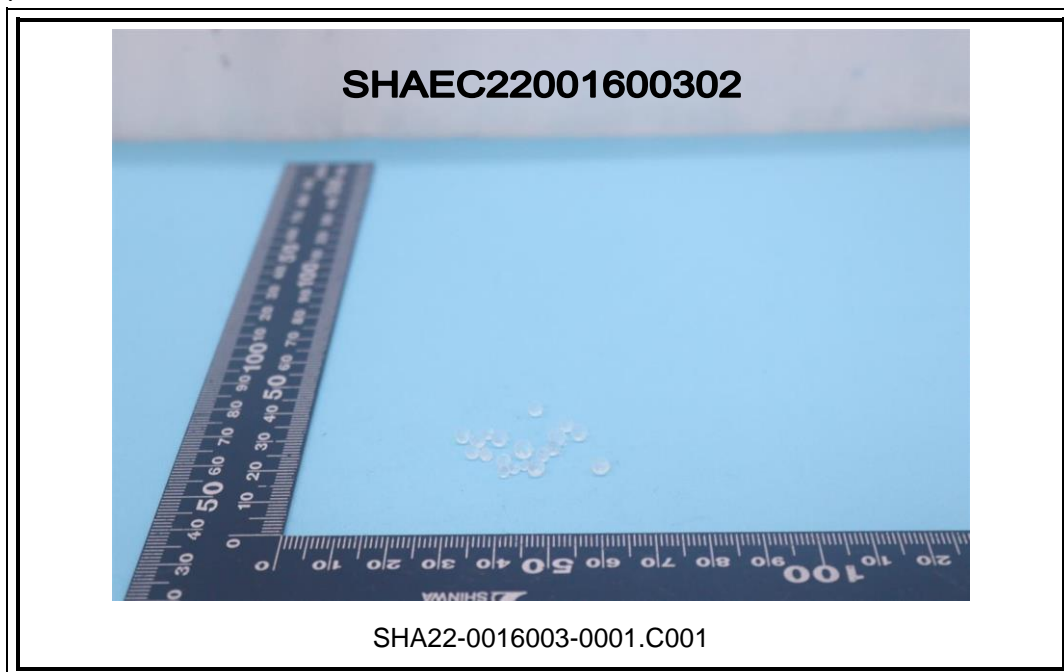
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