

检测报告

编号: CANPC26023401316_1

日期: 2026 年 09 月 09 日

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客户名称: 东莞市华岱有机硅有限公司/东莞市同锐凯新材料有限公司

客户地址: 广东省东莞市桥头镇华夏路 128 号 1 号楼 101 室

样品名称: 硅橡胶

客户参考信息: 适用于: HD-1X0, HD-1X0X, HD-1X0XX, HD-1X0A, HD-1X0AXX, HD-1X0AX, HD-32X0, HD-32X0X, HD-32X0XX, HD-12X0, HD-12X0AX, HD-61X0, HD-61X0X, HD-61X5, HD-61X5X, HD-61X5XX, HD-61X7, HD-61X7X, HD-19XXF, HD-19XXFX, HD-22XX, HD-22XXX, HD-62XX, HD-62XXX, HD-21XXH, HD-61XXH, HD-5XX, HD-82XX, HD-86XX, HD-86XXX, HD-96XX, HD-68XX, HD-68XXX, HD-668XX, HD-668XXX, HD-18XX, HD-618XX, HD-20XXV, HD-20XXVX, HD-60XXV, HD-60XXVX, HD-69XXF, HD-69XXFX, HD-F9XX, HD-F9XXX, HD-1X0FRXX, HD-61X0FRXX, HD-31XXFR, HD-31XXFRW, TRK10**, R11**, TRK11**, TRK12**, TRK20**, TRK21**, TRK22**, TRK23**, TRK24**, TRK28**, TRK32**, TRK40**, TRK41**, TRK42**, TRK43**, TRK44**, TRK45**, TRK51**, TRK61**, TRK62**, TRK63**, TRK64**, TRK70**, TRK71**, TRK72**, TRK73**, TRK76**, TRK8016**, TRK81**, TRK82**, TRK91**, TRK92**, TRK95**, TH00**, TRK46**, TRK47**, LSR1012**, LSR1022**, LSR2012**, LSR2016**, LSR2116**, LSR2216**, LSR2316**, LSR2416**, LSR2516**, LSR2816**, LSR7116**, LSR7316**, LSR8016**, LSR8820**, LSR1019**, LSR4216**, LSR2319**, LSR8216**, LSR2323**

以上样品及信息由客户提供。

此报告替代原来编号为 CANPC26023401316, 日期为 2026 年 08 月 27 日的报告。

SGS 工作编号: SZPC2608006103

收样日期: 2026 年 08 月 19 日

检测周期: 2026 年 08 月 19 日 ~ 2026 年 08 月 26 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。

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检测报告

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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
邻苯二甲酸酯	见检测结果
卤素	见检测结果
欧盟委员会(EU) 2025/2519 修订(EU) 2023/740 的决议---支持 2009/48/EC 指令的玩具协调标准-EN 71-3:2019+A2:2024 - 特定元素的迁移(针对第三类:可以刮取玩具材料)	符合

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	001	CAN26-0234013-0001.C001	白色物料

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, 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	MDL	001
铅 (Pb)	1000	mg/kg	2	ND
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	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



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检测项目	限值	单位	MDL	001
九溴联苯 (NonaBB)	-	mg/kg	5	ND
十溴联苯 (DecaBB)	-	mg/kg	5	ND
多溴二苯醚之和 (PBDE)	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(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) 最大允许极限值引用自 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。

邻苯二甲酸酯

检测方法: 参考 EN 14372:2004, 采用 GC-MS 进行分析。

检测项目	CAS No.	单位	MDL	001
邻苯二甲酸二丁酯(DBP)	84-74-2	%	0.003	ND
邻苯二甲酸丁苄酯(BBP)	85-68-7	%	0.003	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	117-81-7	%	0.003	ND
邻苯二甲酸二异壬酯 (DINP)	28553-12-0 /68515-48-0	%	0.010	ND
邻苯二甲酸二正辛酯 (DNOP)	117-84-0	%	0.003	ND
邻苯二甲酸二异癸酯 (DIDP)	26761-40-0 /68515-49-1	%	0.010	ND
邻苯二甲酸二甲酯(DMP)	131-11-3	%	0.003	ND
邻苯二甲酸二乙酯(DEP)	84-66-2	%	0.003	ND
邻苯二甲酸二丙酯 (DPrP)	131-16-8	%	0.003	ND
邻苯二甲酸二异丁酯(DIBP)	84-69-5	%	0.003	ND
邻苯二甲酸二正戊酯 (DnPP)	131-18-0	%	0.003	ND
邻苯二甲酸二正己酯(DnHP)	84-75-3	%	0.003	ND
邻苯二甲酸二环己酯(DCHP)	84-61-7	%	0.003	ND



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检测项目	CAS No.	单位	MDL	001
邻苯二甲酸二苯酯(DPhP)	84-62-8	%	0.003	ND
邻苯二甲酸二苄酯 (DBzP)	523-31-9	%	0.003	ND
邻苯二甲酸二壬酯(DNP)	84-76-4	%	0.003	ND
邻苯二甲酸二异辛酯(DIOP)	27554-26-3	%	0.010	ND
邻苯二甲酸二(2-甲氧基乙基)酯(DMEP)	117-82-8	%	0.003	ND
邻苯二甲酸二癸酯(DnDP)	84-77-5	%	0.003	ND
邻苯二甲酸二异戊酯(DiPP)	605-50-5	%	0.003	ND
邻苯二甲酸二(2-丁氧基)乙酯 (DBEP)	117-83-9	%	0.003	ND
邻苯二甲酸二(4-甲基-2-戊基)酯 (BMPP)	146-50-9	%	0.010	ND
邻苯二甲酸二(2-乙氧基)乙酯(DEEP)	605-54-9	%	0.003	ND
邻苯二甲酸二(C6-8 支链)烷基酯(富 C7) (DIHP)	71888-89-6	%	0.010	ND
邻苯二甲酸二庚酯 (DnHpP)	3648-21-3	%	0.003	ND
邻苯二甲酸二(C7,C9,C11)烷基酯 (DHNUP)	68515-42-4	%	0.010	ND
邻苯二甲酸二(支链与直链)戊基酯 (DPP)	84777-06-0	%	0.010	ND
己二酸二(2-乙基己基)酯(DEHA)	103-23-1	%	0.003	ND

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	001
氟 (F)	mg/kg	20	ND
氯 (Cl)	mg/kg	50	ND
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

欧盟委员会(EU) 2025/2519 修订(EU) 2023/740 的决议---支持 2009/48/EC 指令的玩具协调标准-EN 71-3:2019+A2:2024 - 特定元素的迁移(针对第三类:可以刮取玩具材料)

检测方法: 参考 EN 71-3:2019+ A2:2024, 采用 ICP-OES, IC-UV 或 LC-ICP-MS 进行分析。

检测项目	限值	单位	MDL	001
小于 100mg 的样品质量	-	mg	-	/
可溶性铅 (Pb)	23	mg/kg	5	ND
可溶性锑 (Sb)	560	mg/kg	10	ND
可溶性砷 (As)	47	mg/kg	10	ND
可溶性钡 (Ba)	18750	mg/kg	50	ND
可溶性镉 (Cd)	17	mg/kg	5	ND
可溶性三价铬 (Cr III)	460	mg/kg	5	ND
可溶性六价铬 (Cr VI)	0.053	mg/kg	0.025	ND



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可溶性汞 (Hg)	94	mg/kg	10	ND
可溶性硒 (Se)	460	mg/kg	10	ND
可溶性硼 (B)	15000	mg/kg	50	ND
可溶性钴 (Co)	130	mg/kg	10	ND
可溶性锰 (Mn)	15000	mg/kg	50	ND
可溶性锶 (Sr)	56000	mg/kg	50	ND
可溶性锌 (Zn)	46000	mg/kg	50	ND
可溶性铜 (Cu)	7700	mg/kg	50	ND
可溶性铝 (Al)	28130	mg/kg	50	ND
可溶性镍 (Ni)	930	mg/kg	10	ND
可溶性锡 (Sn)	180000	mg/kg	3.0	ND
可溶性有机锡*	12	mg/kg	-	ND
结论				符合

备注:

(1) 根据欧盟于 2025 年 12 月 15 日发布在欧盟官方公报(OJEU)的(EU) 2025/2519 委员会执行决定, EN 71-3:2019+A2:2024 被欧盟玩具指令 2009/48/EC 采纳为协调标准以符合玩具相关安全要求。

(2) 根据 EN 71-3:2019+ A2:2024 第 10.1.2 章节规定, Cr(III)结果由以下公式换算得到:

可溶性三价铬 = 可溶性总铬 - 可溶性六价铬

(3) *可溶性锡转化为可溶性有机锡后的含量没有超过 EN 71-3:2019+ A2:2024 中相应限量, 根据 EN 71-3:2019+ A2:2024 的要求, 不需要额外测试可溶性有机锡的含量。

(4) /= 不适用

本报告更新了客户参考信息, 检测样品描述。

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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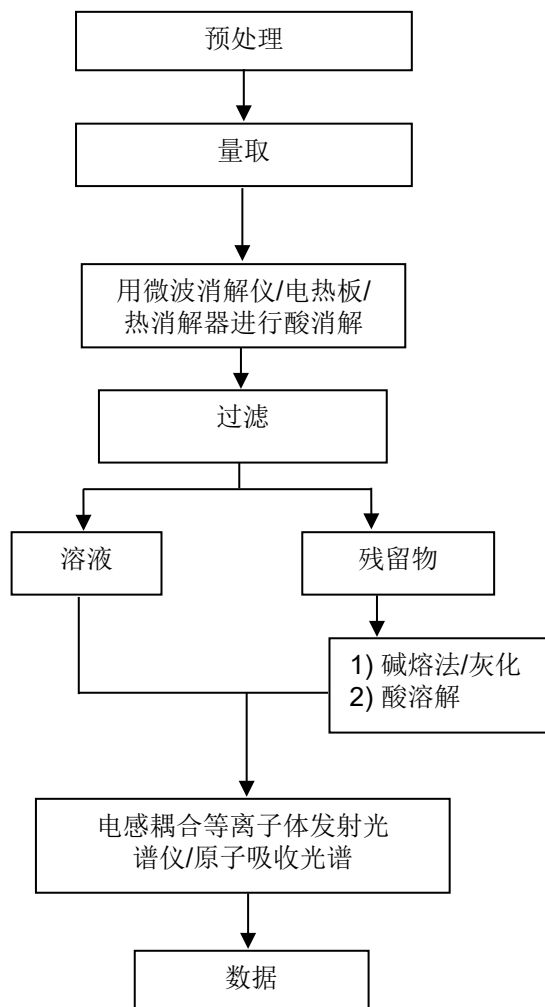
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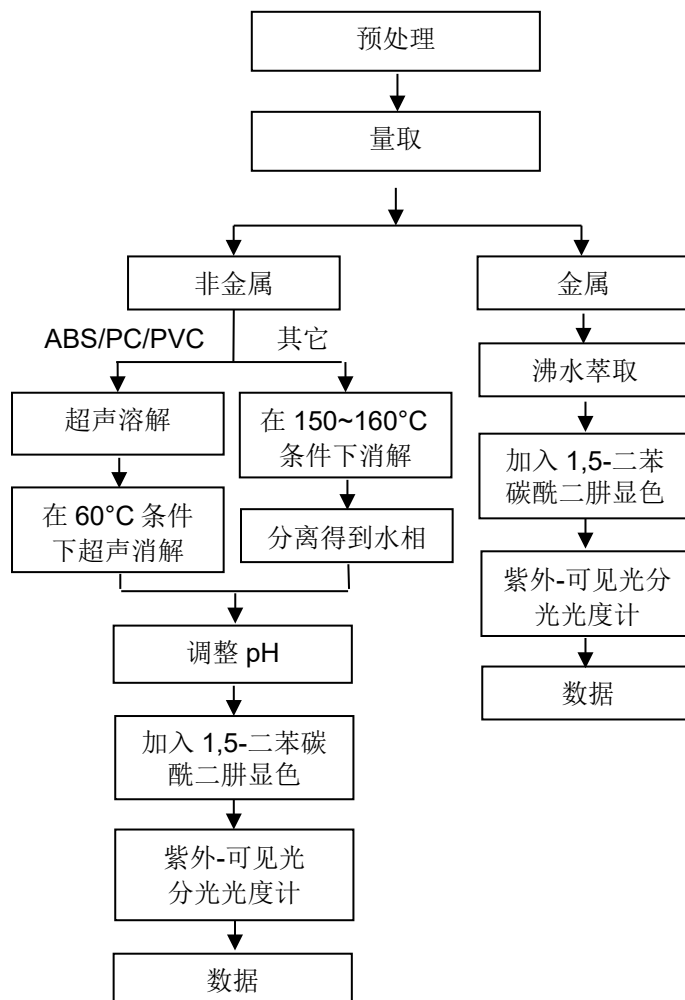
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元素检测流程图

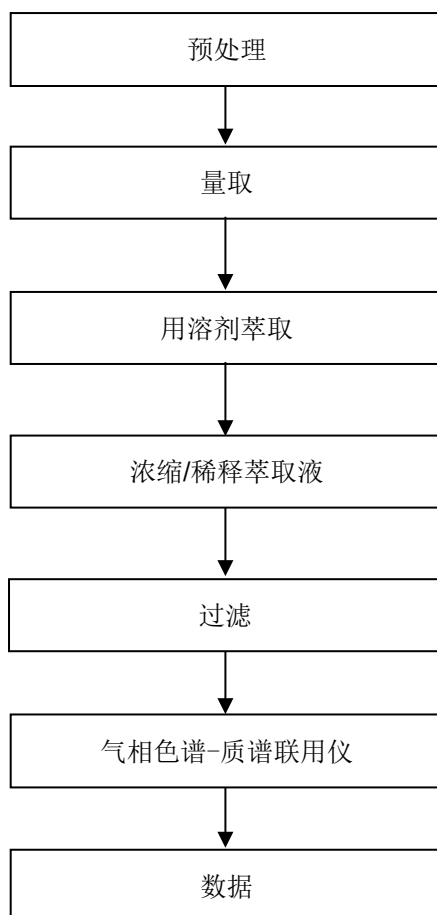
样品中的 Pb/Cd/Hg 按照下述流程被完全消解。



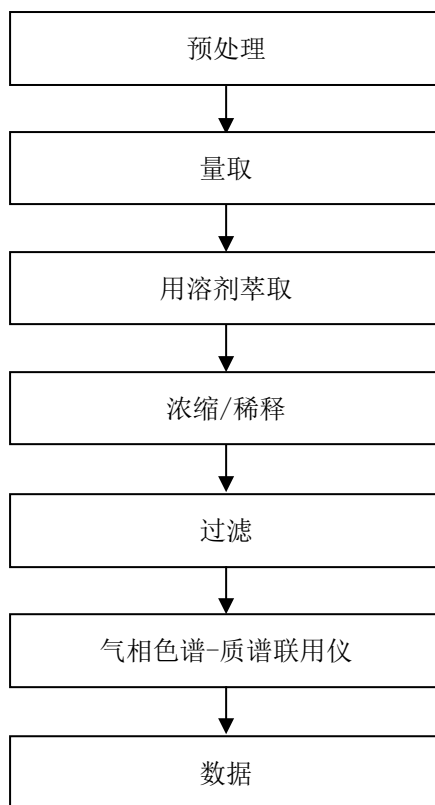
六价铬检测流程图



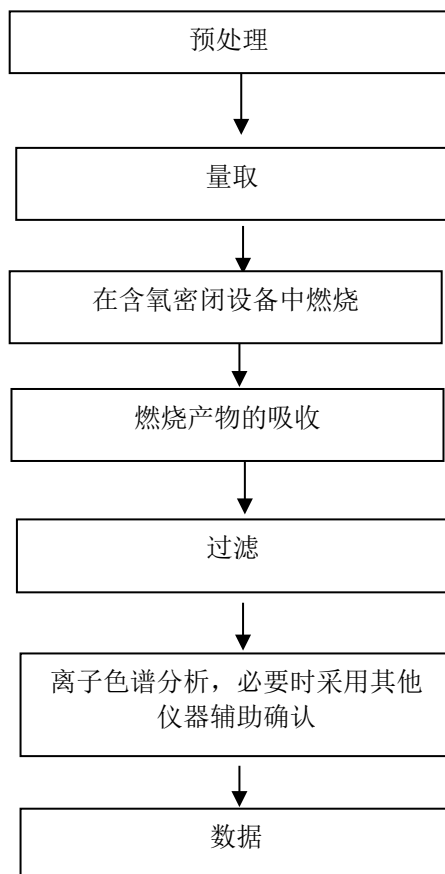
PBB(s)/PBDE(s)检测流程图



Phthalates 检测流程图



卤素检测流程图



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