

报告编号: HLF21004044C

日期: 2021年4月14日

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申请单位 : 山东岚化化工有限公司

地 址 : 山东省日照市岚山区虎山镇珠海路6号

以下样品及样品信息由申请者提供并确认

样品名称 : 普通轻级 P 料

样品备注 : 固体颗粒, 样品是聚苯乙烯原料

样品批号 : /

送样日期 : 2021年4月6日

完成日期 : 2021年4月14日

测试方法 : 详见后续页

测试结果 : 详见后续页

测试要求	结论
RoHS 指令 2011/65/EU 附件 II 修订指令(EU)2015/863 – 铅(Pb)、镉(Cd)、汞(Hg)、六价铬(CrVI)、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁酯苯酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸二异丁酯(DIBP)	合格
标准 IEC 61249-2-21 中的无卤素要求 – 卤素	合格

审核:



实验室高级工程师

授权签字:



技术经理

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FLION TESTING TECHNOLOGIES

Add: Gangzi Industrial Park, Furong Industrial Area, Xinqiao Village, Shajing Town, Bao'an District, Shenzhen City

Tel : 86-0755-2724 8885

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铅、镉、汞、六价铬、多溴联苯、多溴二苯醚测试结果:

测试项目	测试方法 / 仪器	MDL (mg/kg)	结果 (mg/kg)	限值 (mg/kg)
铅	IEC62321-5:2013/ICP-OES	2	N.D.	1000
镉	IEC62321-5:2013/ICP-OES	2	N.D.	100
汞	IEC62321-4:2013+A1:2017/ICP-OES	2	N.D.	1000
六价铬	IEC62321-7-2:2017 /UV-VIS	8	N.D.	1000
多溴联苯之和	-	-	N.D.	1000
一溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
二溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
三溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
四溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
五溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
六溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
七溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
八溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
九溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
十溴联苯	IEC62321-6:2015 /GC-MS	5	N.D.	--
多溴二苯醚之和	-	-	N.D.	1000
一溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
二溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
三溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
四溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
五溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
六溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
七溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
八溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
九溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--
十溴二苯醚	IEC62321-6:2015 /GC-MS	5	N.D.	--

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) N.D. = 未检出(<MDL)
- (3) MDL = 方法检出限
- (4) "--" = 无规格值

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邻苯二甲酸盐的测试结果:

测试项目	CAS No.	测试方法 / 仪器	MDL (%)	结果 (%)	限值 (%)
邻苯二甲酸二丁酯 (DBP)	84-74-2	IEC 62321-8:2017 / GC-MS	0.005	N.D.	0.1
邻苯二甲酸丁酯苄酯 (BBP)	85-68-7	IEC 62321-8:2017 / GC-MS	0.005	N.D.	0.1
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	117-81-7	IEC 62321-8:2017 / GC-MS	0.005	N.D.	0.1
邻苯二甲酸二异丁酯 (DIBP)	84-69-5	IEC 62321-8:2017 / GC-MS	0.005	N.D.	0.1

备注

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) N.D. = 未检出(<MDL)
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卤素的测试结果:

测试项目	测试方法 / 仪器	MDL (mg/kg)	结果 (mg/kg)	限值 (mg/kg)
氟	EN14582-2016/ IC	50	N.D.	--
氯	EN14582-2016/ IC	50	N.D.	900
溴	EN14582-2016/ IC	50	N.D.	900
碘	EN14582-2016/ IC	50	N.D.	--
氯+溴	-	-	N.D.	1500

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) N.D. = 未检出(<MDL)
- (3) MDL = 方法检出限
- (4) "--" = 无规格值

备注: 测试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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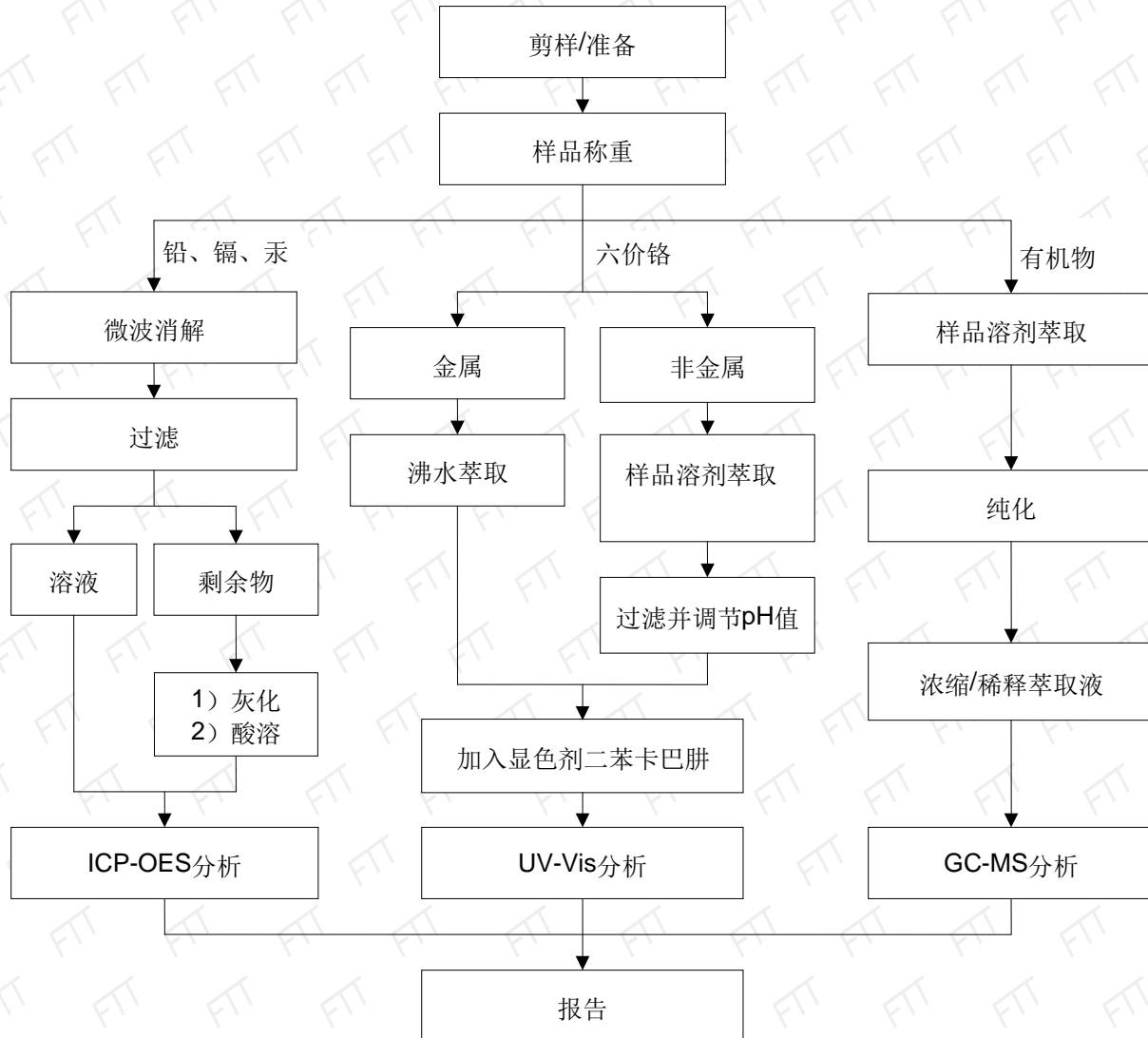
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铅、镉、汞、六价铬、有机物测试流程图:



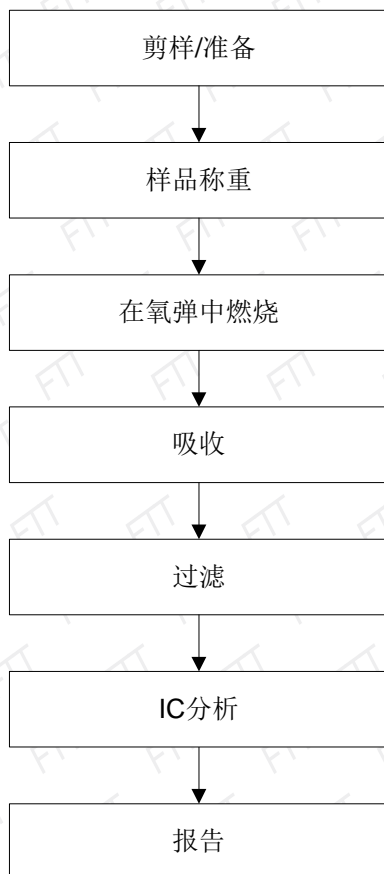
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卤素测试流程图:



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测试部位描述: 固体颗粒

样品照片



注: 此报告结果仅对测试的样品负责。

***** 报告结束 *****

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