



测试报告

报告编号: HLF15005220C

日期: 2015 年 5 月 27 日

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申请单位 : 深圳市惠利电子科技有限公司

地 址 : 深圳市龙华新区龙华办事处金銮时代大厦1213

以下样品及样品信息由申请者提供并确认

样品名称 : 插件式SPO2传感器和接收器件

样品型号 : PD-090
IR2R413UT-038

样品批号 : /

送样日期 : 2015年5月25日

完成日期 : 2015年5月27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
(1) RoHS 指令 2011/65/EU 附件 II – 铅(Pb)、镉(Cd)、汞(Hg)、六价铬(CrVI)、多溴联苯(PBBs)、多溴二苯醚(PBDEs)	合格
2011/65/EU 指令附件 II 修订草案–邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁酯苄酯(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
(2) RoHS 指令 2011/65/EU 附件 II – 铅(Pb)、镉(Cd)、汞(Hg)、六价铬(CrVI)	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

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(1) 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)
			A	
铅	IEC62321-5:2013/ICP-OES	2	N.D.	1000
镉	IEC62321-5:2013/ICP-OES	2	N.D.	100
汞	IEC62321-4:2013/ICP-OES	2	N.D.	1000
六价铬	IEC62321:2008 /UV-VIS	2	N.D.	1000
多溴联苯之和	-	-	N.D.	1000
一溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
二溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
三溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
四溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
五溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
六溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
七溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
八溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
九溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
十溴联苯	IEC62321:2008 /GC-MS	5	N.D.	--
多溴二苯醚之和	-	-	N.D.	1000
一溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
二溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
三溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
四溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
五溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
六溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
七溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
八溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
九溴二苯醚	IEC62321:2008 /GC-MS	5	N.D.	--
十溴二苯醚	IEC62321:2008 /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 (%)
				A	
邻苯二甲酸二丁酯 (DBP)	84-74-2	EN14372:2004 / GC-MS	0.005	N.D.	0.1
邻苯二甲酸丁酯苄酯 (BBP)	85-68-7	EN14372:2004 / GC-MS	0.005	N.D.	0.1
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	117-81-7	EN14372:2004 / GC-MS	0.005	N.D.	0.1
邻苯二甲酸二异丁酯 (DIBP)	84-69-5	EN14372:2004 / GC-MS	0.005	N.D.	0.1

备注: 参考信息: RoHS指令2011/65/EU& 2014.12.17修订草案(G/TBT/N/EU/256):

邻苯二甲酸二(2-乙基己基)酯(DEHP), 邻苯二甲酸丁酯苄酯(BBP), 邻苯二甲酸二丁酯(DBP), 邻苯二甲酸二异丁酯(DIBP)拟被列为限制的物质

(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

(2) 铅、镉、汞、六价格的测试结果:

测试项目	测试方法 / 仪器	MDL (mg/kg)	结果 (mg/kg)	限值(mg/kg)
			B	
铅	IEC62321-5:2013/ICP-OES	2	N.D.	1000
镉	IEC62321-5:2013/ICP-OES	2	N.D.	100
汞	IEC62321-4:2013/ICP-OES	2	N.D.	1000
六价格	IEC62321:2008 /UV-VIS	2	N.D.	1000

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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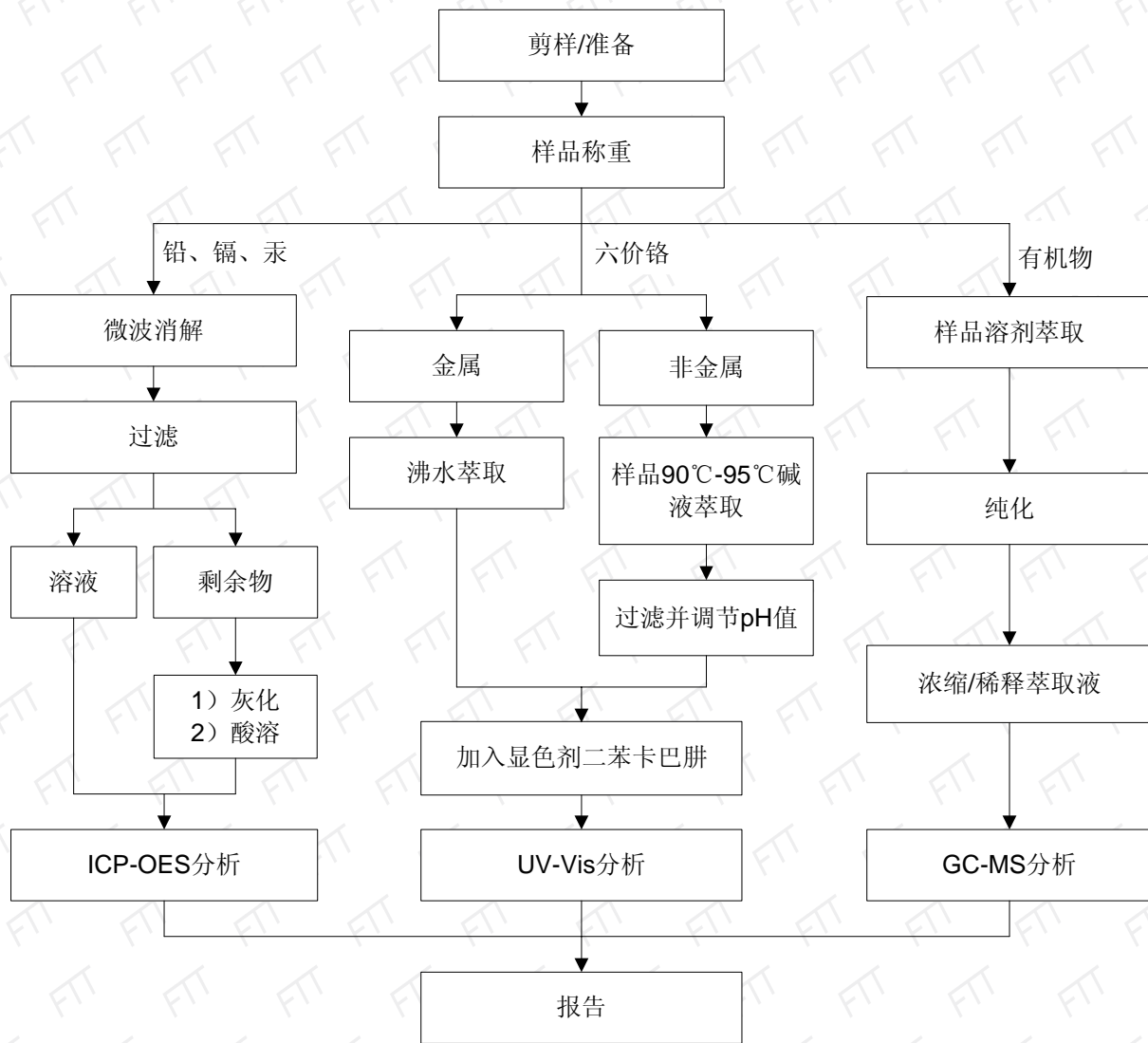
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铅、镉、汞、六价铬、有机物测试流程图:



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测试部位描述:

A: 非金属

B: 金属

样品照片



备注: 依客户要求, 所提供样品拆分为金属与非金属。

注: 此报告结果仅对测试的样品负责。

***** 报告结束 *****

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