测试报告

No. CANEC1304603102　　日期: 2022 年 05 月 20 日　　第 1 页,共 7 页

河南汀浠新材料有限公司
河南洛阳洛龙区

以下测试之样品是由申请者所提供及确认 : 复合植物酯

SGS 工作编号 :	WH14449468EC - WH
内部编号 :	2.2
型号 :	8611
样品接收日期 :	2022 年 05 月 16 日
测试周期 :	2022 年 05 月 16 日 - 2022 年 05 月 20 日
测试要求 :	根据客户要求测试
测试方法 :	请参见下一页
测试结果 :	请参见下一页
结论 :	基于所送样品进行的测试，镉、铅、汞、六价铬、多溴联苯(PBB)、多溴二苯醚(PBDE)的测试结果符合欧盟 RoHS 指令 2002/95/EC 的重订指令 2011/65/EU 附录 II 的限值要求。

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授权签名

Trophy Zhang 张浩华
批准签署人

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测试结果 :

测试样品描述 :

样品编号	SGS 样品 ID	描述
1	CAN13-046031.001	黄色液体

备注 :

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL = 方法检测限

(3) ND = 未检出 (< MDL)

(4) "-" = 未规定

RoHS 指令 2011/65/EU

测试方法 : 参考 IEC 62321:2008：

(1) 用 ICP-OES 测定镉的含量

(2) 用 ICP-OES 测定铅的量

(3) 用 ICP-OES 测定汞的量

(4) 用紫外-可见分光光度计比色法测定六价铬的含量

(5) 用 GC-MS 测定 PBBs(多溴联苯)和 PBDEs(多溴二苯醚) 的含量

测试项目	限值	单位	MDL	001
镉 (Cd)	100	mg/kg	2	ND
铅 (Pb)	1,000	mg/kg	2	ND
汞 (Hg)	1,000	mg/kg	2	ND
六价铬(Cr(VI))	1,000	mg/kg	2	ND
多溴联苯之和(PBBs)	1,000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1,000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND

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测试项目	限值	单位	MDL	001
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND
五溴二苯醚	-	mg/kg	5	ND
六溴二苯醚	-	mg/kg	5	ND
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND

备注 :

(1) 最大允许极限值引用自指令 2011/65/EU 附录 II.

多环芳香烃(PAHs)

测试方法 : 参照 ZEK 01.4-08 及其后续指令, 采用 GC-MS 进行分析.

测试项目	单位	MDL	001
萘 (NAP)	mg/kg	0.2	ND
苊烯(ANY)	mg/kg	0.2	ND
苊(萘嵌戊烷) (ANA)	mg/kg	0.2	ND
芴 (FLU)	mg/kg	0.2	ND
菲 (PHE)	mg/kg	0.2	ND
蒽 (ANT)	mg/kg	0.2	ND
荧蒽 (FLT)	mg/kg	0.2	ND
芘 (PYR)	mg/kg	0.2	ND
苯并(a)蒽 (BaA)	mg/kg	0.2	ND
屈 (CHR)	mg/kg	0.2	ND
苯并(b)荧蒽 (BbF)和苯并(j)荧蒽 (BjF)	mg/kg	0.4	ND
苯并 (k)荧蒽 (BkF)	mg/kg	0.2	ND

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测试项目	单位	MDL	001
苯并 (k)荧蒽 (BkF)	mg/kg	0.2	ND
苯并(a)芘 (BaP)	mg/kg	0.2	ND
苯并(e)芘 (BeP)	mg/kg	0.2	ND
茚苯(1,2,3-c,d)芘 (IPY)	mg/kg	0.2	ND
二苯并(a,h)蒽(DBA)	mg/kg	0.2	ND
苯并(g,h,i)苝(二萘嵌苯) (BPE)	mg/kg	0.2	ND
18 项多环芳香烃总和	mg/kg	-	ND

ZEK 01.4-08:产品最大控制值

参数	1 类	2 类	3 类
	设计意图为放入口中的材料,以及 36 个月以下幼儿的玩具上与皮肤接触的材料	未在 1 类规定中涵盖的材料,且可能与皮肤长期接触的材料(接触时间大于 30 秒)	未在 1 和 2 类规定中涵盖的材料,且可能与皮肤短期接触的材料(接触时间小于等于 30 秒)
BaP 含量 (mg/kg)	< 0.2**	1	20
18 种 PAH 总量 (mg/kg)*	< 0.2**	10	200

备注:

* =仅物质浓度大于 0.2ppm 时才用于计算 18 项 PAHs 总量

**=若设计意图为放入口中的材料的测试结果大于 1 类限值但不超过 2 类限值,需再依据 DIN EN 1186ff 及§64 LFGB 80.30-1 进行 PAH 的迁移性测试并根据相关食品法规进行判定.

备注: 所示结果为湿样品总重量中的含量。

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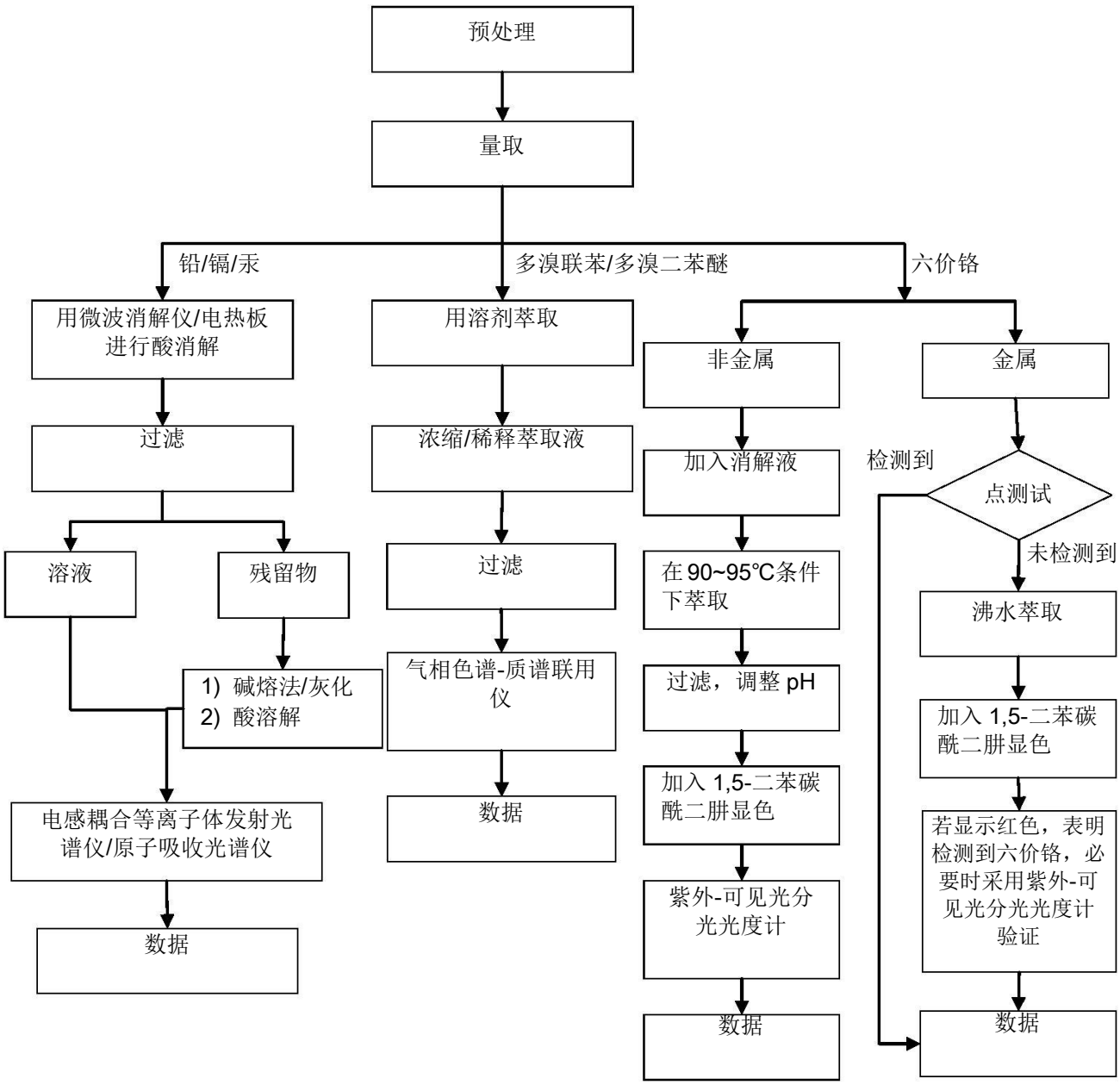
附件

RoHS 测试流程图

1) 分析人员：曹阳 / 余晓璐
2) 项目负责人：余奕东 / 魏红



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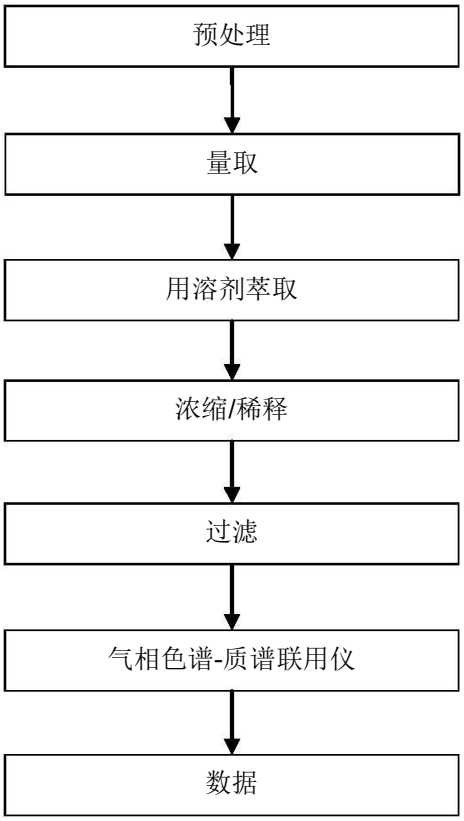
附件

PAHs 测试流程图

1) 分析人员：余晓璐
2) 项目负责人：魏红



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