测试报告

No. CANEC1513511401　　日期: 2015年08月10日　第1页,共7页

深圳市帕斯特新材料科技有限公司

中国广东省深圳市宝安区西乡街道宝源路宝安互联网产业基地A区7栋201室

以下测试之样品是由申请者所提供及确认：相容剂、增韧剂及功能助剂混合物

SGS工作编号：	CP15-044787 - SZ
客户参考信息：	A1018，A1018T，A1028，F109，A1105，A1058，A1059，B205，B208，B308T，B3008，B408，E1088，G1080，G1088，SMA，SME098，SMG200，FC100，RS100，MA50混合物
样品接收日期：	2015年08月04日
测试周期：	2015年08月04日 - 2015年08月10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

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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
SN1	CAN15-135114.001	白色塑胶粒1#+白色塑胶粒2#+浅黄透明塑胶颗粒3#

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

元素分析&阻燃剂

测试方法 : (1)参考IEC 62321-5:2013，用ICP-OES测定镉的含量
(2)参考IEC 62321-5:2013，用ICP-OES测定铅的含量
(3)参考IEC 62321-4:2013，用ICP-OES测定汞的含量
(4)参考IEC 62321:2008，用紫外-可见分光光度计比色法测定六价铬的含量
(5)参考IEC 62321-6:2015，用GC-MS测定PBBs(多溴联苯)和PBDEs(多溴二苯醚) 的含量

测试项目	单位	MDL	*001*
镉 (Cd)	mg/kg	2	ND
铅 (Pb)	mg/kg	2	ND
汞 (Hg)	mg/kg	2	ND
六价铬(Cr(VI))	mg/kg	2	ND
多溴联苯之和(PBBs)	mg/kg	5	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)	mg/kg	5	ND
一溴二苯醚	mg/kg	5	ND
二溴二苯醚	mg/kg	5	ND

SGS 检测专用章 Testing Service
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Center Chemical Laboratory

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测试项目	单位	MDL	*001*
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

多环芳香烃(PAHs)

测试方法： 参考AfPS GS 2014:01 PAK测试, 采用 GC-MS进行分析.

测试项目	CAS NO.	单位	MDL	001
萘 (NAP)	91-20-3	mg/kg	0.1	0.4
苊烯(ANY)	208-96-8	mg/kg	0.1	ND
苊(萘嵌戊烷) (ANA)	83-32-9	mg/kg	0.1	ND
芴 (FLU)	86-73-7	mg/kg	0.1	ND
菲 (PHE)	85-01-8	mg/kg	0.1	0.1
蒽 (ANT)	120-12-7	mg/kg	0.1	ND
荧蒽 (FLT)	206-44-0	mg/kg	0.1	ND
芘 (PYR)	129-00-0	mg/kg	0.1	ND
苯并(a)蒽 (BaA)	56-55-3	mg/kg	0.1	ND
屈 (CHR)	218-01-9	mg/kg	0.1	ND
苯并(b)荧蒽 (BbF)	205-99-2	mg/kg	0.1	ND
苯并(j)荧蒽 (BjF)	205-82-3	mg/kg	0.1	ND
苯并 (k)荧蒽 (BkF)	207-08-9	mg/kg	0.1	ND
苯并(a)芘 (BaP)	50-32-8	mg/kg	0.1	ND
苯并(e)芘 (BeP)	192-97-2	mg/kg	0.1	ND
茚苯(1,2,3-c,d)芘 (IPY)	193-39-5	mg/kg	0.1	ND
二苯并(a,h)蒽(DBA)	53-70-3	mg/kg	0.1	ND
苯并(g,h,i)苝(二萘嵌苯) (BPE)	191-24-2	mg/kg	0.1	ND
7项多环芳香烃总和[苊烯(ANY)，苊(萘嵌戊烷) (ANA)，芴 (FLU)，菲 (PHE)，芘 (PYR)，蒽 (ANT)，荧蒽 (FLT)]		mg/kg	-	0.1
18项多环芳香烃总和		mg/kg	-	0.5

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AfPS(德国产品安全委员会):GS 认证对多环芳香烃的要求

参数	1 类	2 类		3 类	
	设计意图为放入口中的材料或者玩具上与皮肤接触的材料 (接触时间大于30秒).	未在 1 类规定中涵盖的材料,且可能与皮肤接触时间大于 30 秒的材料 (长时间接触皮肤)或频繁接触皮肤.		未在 1 和 2 类规定中涵盖的材料,且可能与皮肤接触的少于 30 秒的材料(短期接触皮肤)	
		2009/48/EC 中适用的玩具	产品安全法涉及的其他产品	2009/48/EC中适用的玩具	产品安全法涉及的其他产品
苯并(a)芘 (BaP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(e)芘 (BeP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(a)蒽 (BaA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(b)荧蒽 (BbF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(j)荧蒽 (BjF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并 (k)荧蒽mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
屈 (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
二苯并(a,h)蒽(DBA)mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(g,h,i)苝(二萘嵌苯) (BPE)n mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚苯(1,2,3-c,d)芘 (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苊烯(ANY)，苊(萘嵌戊烷) (ANA)，芴 (FLU)，菲 (PHE)，芘 (PYR)，蒽 (ANT)，荧蒽 (FLT)之和 mg/kg	< 1 （总和）	< 5 （总和）	< 10（总和）	< 20 （总和）	< 50 （总和）
萘 (NAP) mg/kg	< 1	< 2		< 10	
18 PAH之和	<1	< 5	< 10	< 20	< 50

备注1: 结果基于混合样品的总重计算。

备注2: 样品的测试是基于申请人要求混合测试，报告中的混合测试结果不代表其中个别单一材质的含量，该测试数据仅供参考。

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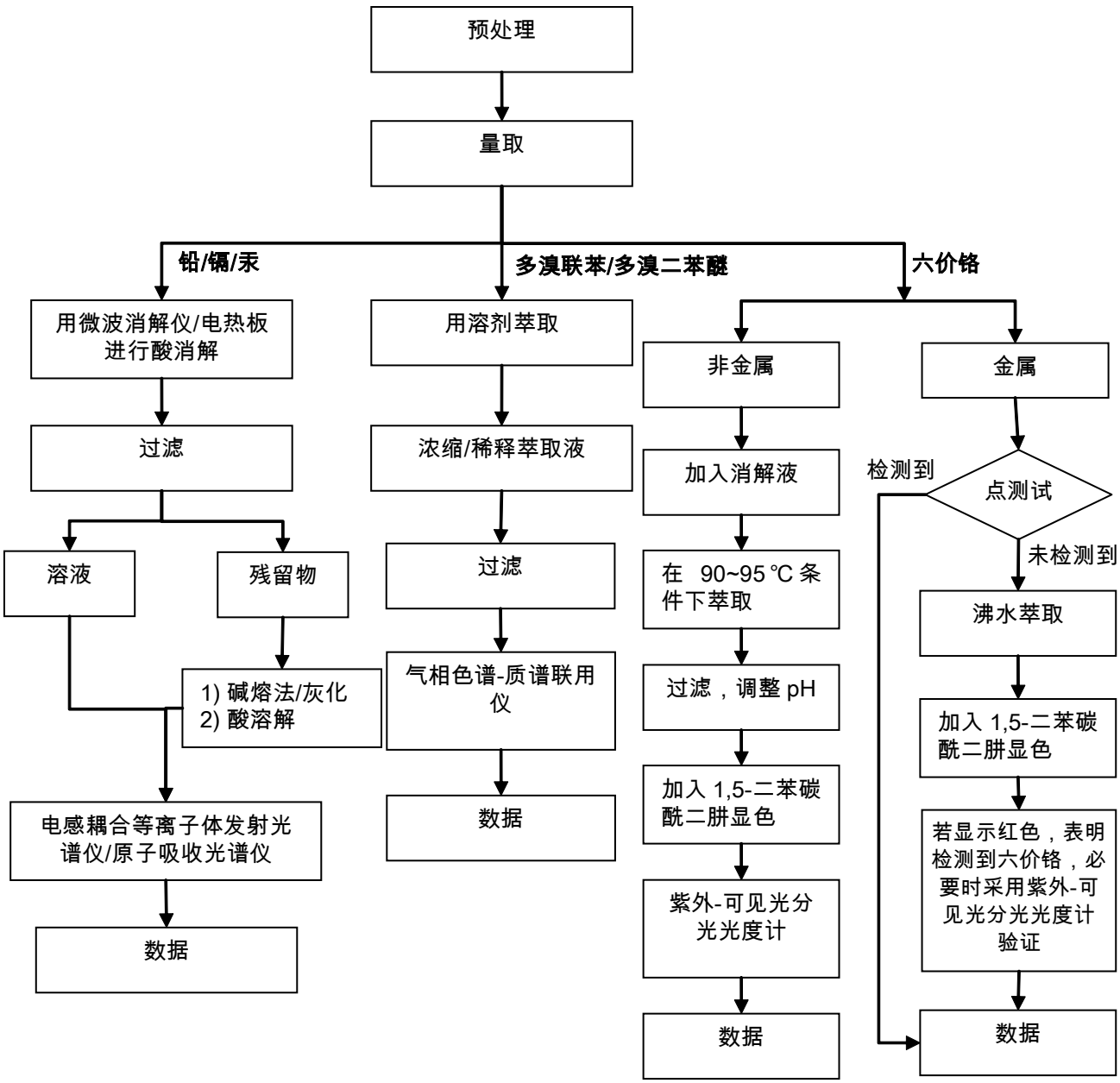
附件

RoHS 测试流程图

1) 分析人员：肖戈 / 胡香云
2) 项目负责人：汪丹 / 余晓璐
3) 样品按照下述流程被完全消解（六价铬和多溴联苯/多溴二苯醚测试除外）。



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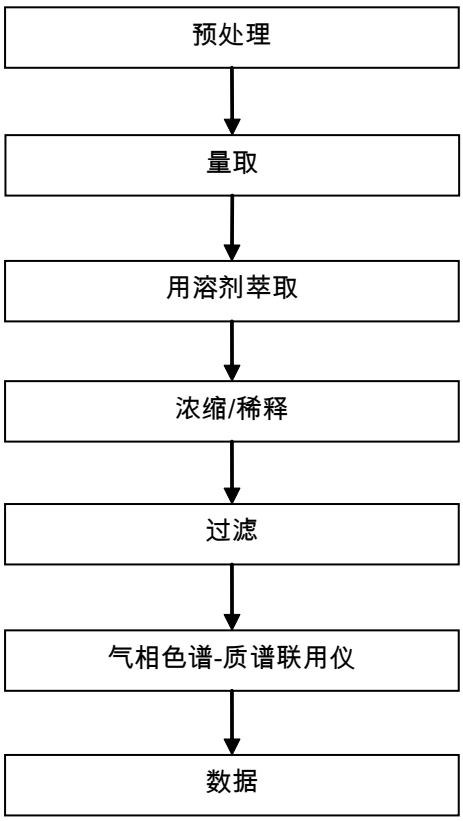
附件

PAHs 测试流程图

1) 分析人员：胡香云
2) 项目负责人：余晓璐



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