

# 测试报告

No. CANEC2002827426

日期: 2021年03月16日 第1页,共13页

银久洲工业发展有限公司  
江苏省昆山市创业路1588号象屿中心7F-1209

本报告取代测试报告CANEC1924658426

以下测试之样品是由申请者所提供及确认: 热熔性压敏胶粘带

SGS工作编号: CP20-007852 - GZ  
 型号: DS18  
 客户参考信息: 见备注  
 样品接收日期: 2021年1月11日  
 测试周期: 2021年1月11日 - 2021年1月18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

## 测试结果概要:

测试要求	结论
RoHS指令2011/65/EU 附录II的修正指令(EU) 2015/863	符合
卤素	见测试结果
六溴环十二烷(HBCDD)	见测试结果
多环芳香烃(PAHs)	见测试结果
CPSIA 章节101(a)(2) - 可接触基材中的铅(包括儿童金属珠宝)	符合

通标标准技术服务有限公司广州分公司授权签名

Kelly Qu 屈桃李  
批准签署人



# 测试报告

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日期: 2021年03月16日 第2页,共13页

测试结果:

## 测试样品描述

样品编号	SGS样品ID	描述
SN1	CAN20-028274.005	白色半透明双面粘性片

### 备注:

- (1) 1 mg/kg = 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附录II的修正指令(EU) 2015/863

测试方法: 参考IEC 62321-4:2013+A1:2017, IEC62321-5:2013, IEC62321-7-2:2017, IEC 62321-6:2015 和 IEC62321-8:2017, 采用 ICP-OES, UV-Vis 和 GC-MS 进行分析。

测试项目	限值	单位	MDL	005
镉 (Cd)	100	mg/kg	2	ND
铅 (Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
六价铬(Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和(PBBs)	1000	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)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
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



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测试项目	限值	单位	MDL	005
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
邻苯二甲酸二丁酯 (DBP)	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(2-乙基己基)酯(DEHP)	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。IEC 62321系列等同于 EN 62321系  
[https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)
- (2) 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。
- (3) DEHP, BBP, DBP 和 DIBP的限制不适用于玩具产品, 因为No.1907/2006附录XVII第51条 已对玩具产品中的DEHP, BBP, DBP 和 DIBP含量进行了限制。

### 卤素

测试方法: 参考EN 14582:2016, 用IC分析。

测试项目	单位	MDL	005
氟 (F)	mg/kg	50	ND
氯 (Cl)	mg/kg	50	70
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

### 六溴环十二烷(HBCDD)

测试方法: SGS 内部方法(GZTC CHEM-TOP-073,参考EPA 3550C:2007和EPA 8270E:2017), 采用GC-MS进行分析。

测试项目	单位	MDL	005
六溴环十二烷(HBCDD) 及其非对映异构体( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	mg/kg	10	ND

### 多环芳香烃(PAHs)



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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	005
萘 (NAP)	91-20-3	mg/kg	0.1	0.7
蒽(ANY)	208-96-8	mg/kg	0.1	ND
蒽(萘嵌戊烷) (ANA)	83-32-9	mg/kg	0.1	ND
芴 (FLU)	86-73-7	mg/kg	0.1	0.4
菲 (PHE)	85-01-8	mg/kg	0.1	0.2
蒎 (ANT)	120-12-7	mg/kg	0.1	2.7
荧蒎 (FLT)	206-44-0	mg/kg	0.1	ND
芘 (PYR)	129-00-0	mg/kg	0.1	ND
苯并(a)蒎 (BaA)	56-55-3	mg/kg	0.1	ND
蒎 (CHR)	218-01-9	mg/kg	0.1	ND
苯并(b)荧蒎 (BbF)	205-99-2	mg/kg	0.1	ND
苯并(j)荧蒎 (BjF)	205-82-3	mg/kg	0.1	ND
苯并(k)荧蒎 (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)蒎(DBA)	53-70-3	mg/kg	0.1	ND
苯并(g,h,i)花(二萘嵌苯) (BPE)	191-24-2	mg/kg	0.1	ND
7项多环芳香烃总和[蒽(ANY), 蒽(萘嵌戊烷) (ANA), 芴 (FLU), 菲 (PHE), 芘 (PYR), 蒎 (ANT), 荧蒎 (FLT)]	-	mg/kg	-	3.3
18项多环芳香烃总和	-	mg/kg	-	4.0





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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	
蒽 (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)花(二萘嵌苯)(BPE)n mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
茚并(1,2,3-c,d)芘 (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
萘烯(ANY), 苊(萘嵌戊烷)(ANA), 芴(FLU), 菲(PHE), 芘(PYR), 蒎(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	

### CPSIA section 101(a)(2) - 可接触基材中的铅(包括儿童金属珠宝)

测试方法:参考CPSC-CH-E1002-08.3, 采用ICP-OES进行分析。

#### 测试项目

铅 (Pb)

评论

限值	单位	MDL	005
0.01	%(w/w)	0.002	ND
			符合

本报告更新了报告客户公司名称和公司地址。

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## 备注:

DS18, DS19, DS20, DS21, DS22, DS22 黄, DS22C, DS22D, DS23, DH31, DH31C, DS020A, KT8, KT9, KT10, KT11, KT13, KT08, KT09(M), KT10, KT14, KT22, KT23, KT24, KT25, KT26, KT27, KT31, KT32, KT33, KT34, KT35, KT36, KT37, DS18(W/Y/YA/CY/WH/WA/WP), DS19(W/Y/YA/CY/WH/WA/WP), DS20(W/Y/YA/CY/WH/WA/WP), DS21(W/Y/YA/CY/WH/WA/WP), DS22(W/Y/YA/CY/WH/WA/WP), HE1002(B/W/F)(R/G/BL/L/RP/GP/LP), HE1003(B/W/F)(R/G/BL/L/RP/GP/LP), HE1004(B/W/F)(R/G/BL/L/RP/GP/LP), HE1005(B/W/F)(R/G/BL/L/RP/GP/LP), HE1008(B/W/F)(R/G/BL/L/RP/GP/LP), HE1010(B/W/F)(R/G/BL/L/RP/GP/LP), HE1015(B/W/F)(R/G/BL/L/RP/GP/LP), HE1020(B/W/F)(R/G/BL/L/RP/GP/LP), HE1025(B/W/F)(R/G/BL/L/RP/GP/LP), HE1208(B/W/F)(R/G/BL/L/RP/GP/LP), HE1030(B/W/F)(R/G/BL/L/RP/GP/LP), HE1503(B/W/F)(R/G/BL/L/RP/GP/LP), HE1505(B/W/F)(R/G/BL/L/RP/GP/LP), HE1508(B/W/F)(R/G/BL/L/RP/GP/LP), HE1510(B/W/F)(R/G/BL/L/RP/GP/LP), HE1515(B/W/F)(R/G/BL/L/RP/GP/LP), HE1520(B/W/F)(R/G/BL/L/RP/GP/LP), HE1530(B/W/F)(R/G/BL/L/RP/GP/LP), HE2010(B/W/F)(R/G/BL/L/RP/GP/LP), HE3805(B/W/F)(R/G/BL/L/RP/GP/LP), HE3810(B/W/F)(R/G/BL/L/RP/GP/LP), HE3811(B/W/F)(R/G/BL/L/RP/GP/LP), HE3815(B/W/F)(R/G/BL/L/RP/GP/LP), HE3820(B/W/F)(R/G/BL/L/RP/GP/LP), HE3825(B/W/F)(R/G/BL/L/RP/GP/LP), HE3830(B/W/F)(R/G/BL/L/RP/GP/LP), HE3835(B/W/F)(R/G/BL/L/RP/GP/LP), HE3840(B/W/F)(R/G/BL/L/RP/GP/LP), HP1002(B/W/F)(R/G/BL/L/RP/GP/LP), HP1003(B/W/F)(R/G/BL/L/RP/GP/LP), HP1004(B/W/F)(R/G/BL/L/RP/GP/LP), HP1005(B/W/F)(R/G/BL/L/RP/GP/LP), HP1008(B/W/F)(R/G/BL/L/RP/GP/LP), HP1010(B/W/F)(R/G/BL/L/RP/GP/LP), HP1015(B/W/F)(R/G/BL/L/RP/GP/LP), HP1020(B/W/F)(R/G/BL/L/RP/GP/LP), HP1025(B/W/F)(R/G/BL/L/RP/GP/LP), HP1030(B/W/F)(R/G/BL/L/RP/GP/LP), HP1205(B/W/F)(R/G/BL/L/RP/GP/LP), HP1208(B/W/F)(R/G/BL/L/RP/GP/LP), HP1503(B/W/F)(R/G/BL/L/RP/GP/LP), HP1505(B/W/F)(R/G/BL/L/RP/GP/LP), HP1508(B/W/F)(R/G/BL/L/RP/GP/LP), HP1510(B/W/F)(R/G/BL/L/RP/GP/LP), HP1515(B/W/F)(R/G/BL/L/RP/GP/LP), HP1520(B/W/F)(R/G/BL/L/RP/GP/LP), HP1530(B/W/F)(R/G/BL/L/RP/GP/LP), HP2010(B/W/F)(R/G/BL/L/RP/GP/LP), HP4010(B/W/F)(R/G/BL/L/RP/GP/LP), HP4020(B/W/F)(R/G/BL/L/RP/GP/LP), HP4025(B/W/F)(R/G/BL/L/RP/GP/LP), HP4030(B/W/F)(R/G/BL/L/RP/GP/LP), HP4035(B/W/F)(R/G/BL/L/RP/GP/LP), HP4040(B/W/F)(R/G/BL/L/RP/GP/LP), DH04系列, DH31系列, DH32系列, DH30(W/G), SH37G



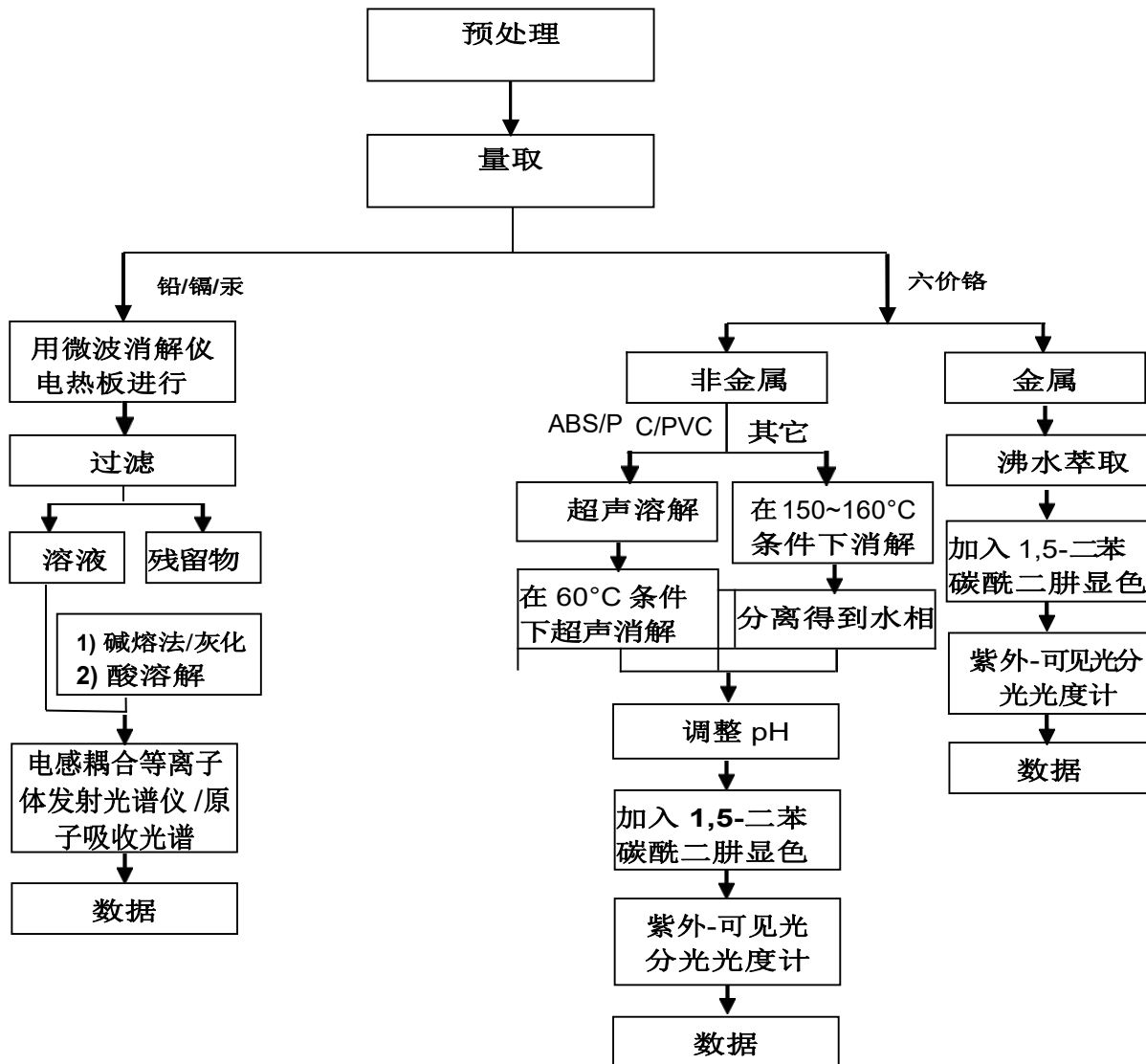
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### 附件

### Pb/Cd/Hg/Cr<sup>6+</sup> 测试流程图

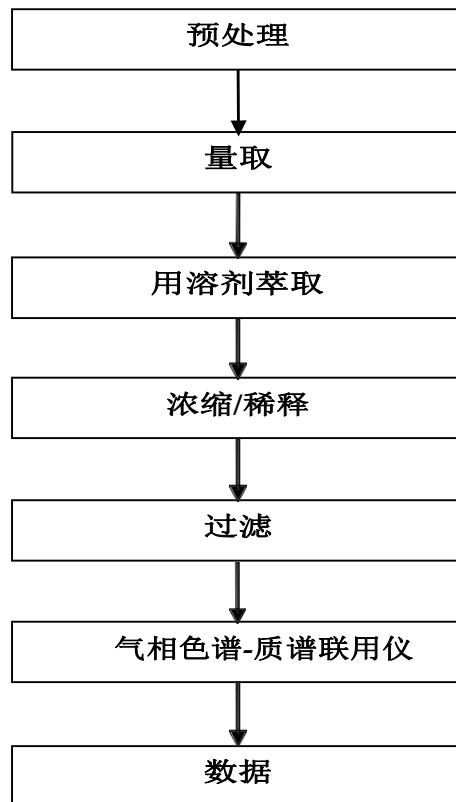
1) 样品按照下述流程被完全消解（六价铬测试除外）。





附件

### Phthalates 测试流程图



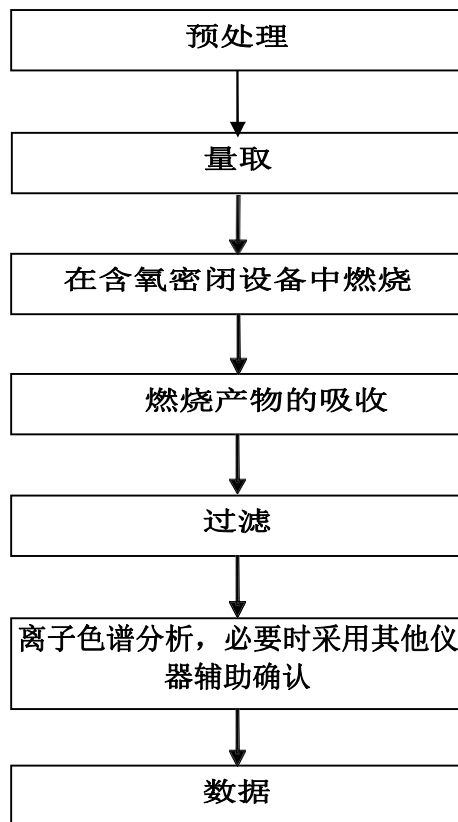
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附件

## Halogen 测试流程图

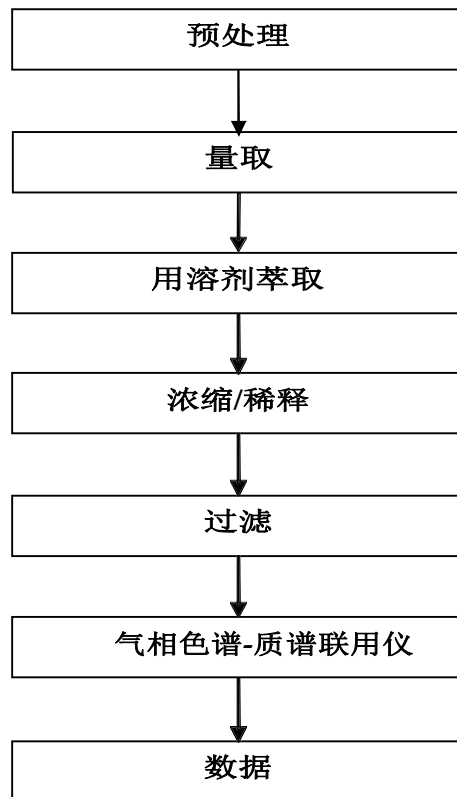


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附件

### HBCDD 测试流程图

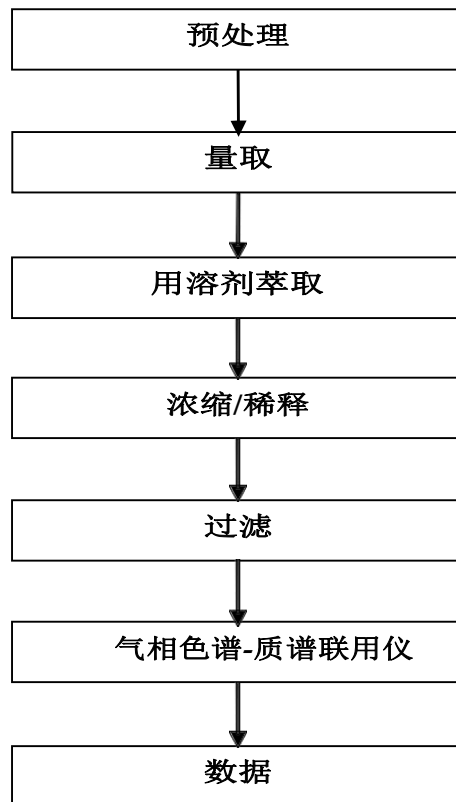


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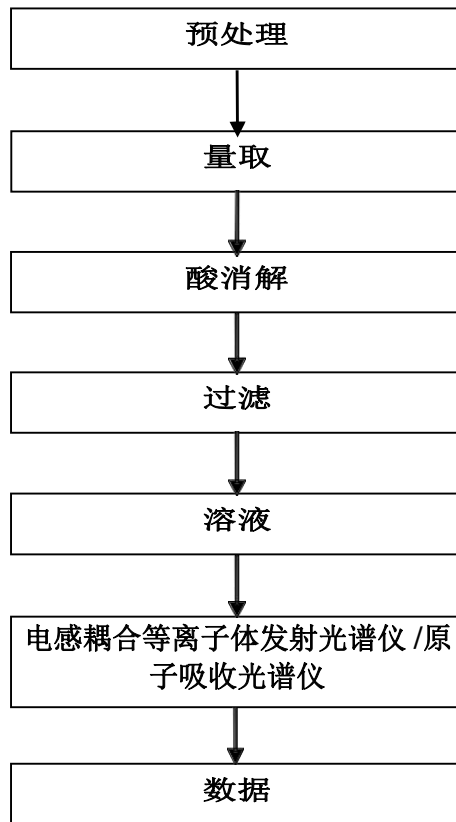
PAHs 测试流程图





附件

### 元素测试流程图

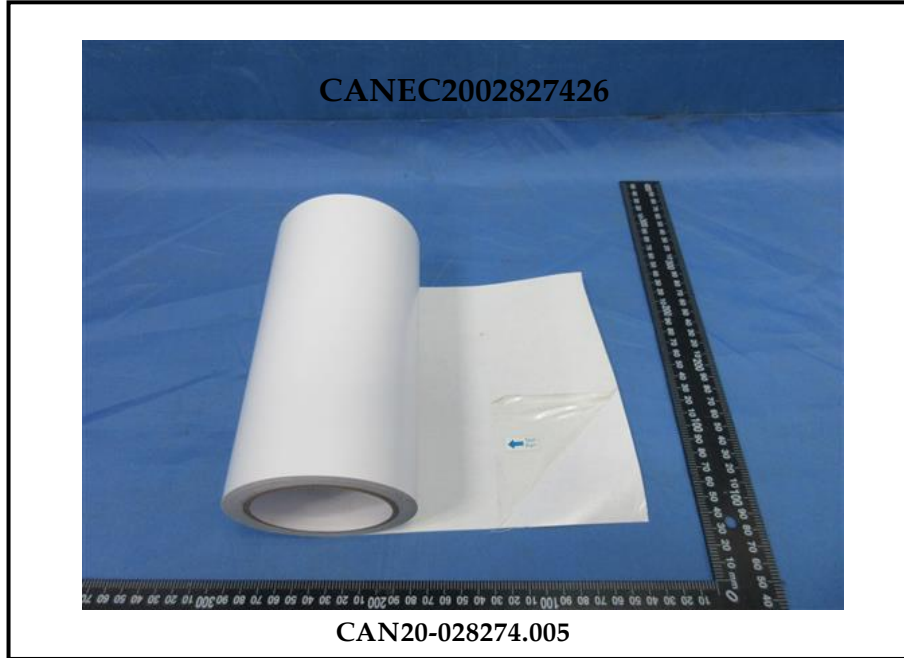


## 测试报告

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