

No. CANEC1822722920

日期: 2018年11月13日 第1页,共6页

深圳日高胶带新材料有限公司 深圳市宝安区航城街道钟屋工业园52栋

以下测试之样品是由申请者所提供及确认:PET双面胶粘带9#

SGS工作编号: CP18-059011 - SZ

样品接收日期: 2018年11月02日

测试周期: 2018年11月02日 - 2018年11月08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

基于所送样品进行的测试,镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯 结论:

> 醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄 酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的

测试结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值

要求。

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测试报告 日期: 2018年11月13日 第2页,共6页 No. CANEC1822722920

测试结果:

#### 测试样品描述:

样品编号 SGS样品ID 描述

SN1 CAN18-227229.002 双面带粘性的透明胶带

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附录II的修正指令(EU) 2015/863

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

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       8       ND         多溴联苯之和(PBBs)       1,000       mg/kg       5       ND         二溴联苯       -       mg/kg       5       ND         三溴联苯       -       mg/kg       5       ND         五溴联苯       -       mg/kg       5       ND         九溴联苯       -       mg/kg       5       ND         九溴联苯       -       mg/kg       5       ND         九溴联苯       -       mg/kg       5       ND         大溴联苯       -       mg/kg       5       <	测试项目	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>002</u>
表 (Hg)       1,000 mg/kg       2       ND         六价铬(Cr(VI))       1,000 mg/kg       8       ND         多溴联苯之和(PBBs)       1,000 mg/kg       -       ND         一溴联苯       -       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         七溴联苯       -       mg/kg       5       ND         八溴联苯       -       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         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         四溴二苯醚 </td <td>镉 (Cd)</td> <td>100</td> <td>mg/kg</td> <td>2</td> <td>ND</td>	镉 (Cd)	100	mg/kg	2	ND
六价格(Cr(VI))       1,000       mg/kg       8       ND         多溴联苯之和(PBBs)       1,000       mg/kg       -       ND         一溴联苯       -       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         八溴联苯       -       mg/kg       5       ND         九溴联苯       -       mg/kg       5       ND         少溴二苯醚之和(PBDEs)       1,000       mg/kg       5       ND         一溴二苯醚       -       mg/kg       5       ND         三溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5	铅 (Pb)	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         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         李溴二苯醚之和(PBDEs)       1,000 mg/kg       - ND         二溴二苯醚       - mg/kg       5 ND         三溴二苯醚       - mg/kg       5 ND         三溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND	汞 (Hg)	1,000	mg/kg	2	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         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         三溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND	六价铬(Cr(VI))	1,000	mg/kg	8	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         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         三溴二苯醚       - mg/kg       5 ND         三溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND	多溴联苯之和(PBBs)	1,000	mg/kg	-	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         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         十溴联苯       - mg/kg       5 ND         多溴二苯醚之和(PBDEs)       1,000 mg/kg       - mg/kg         一溴二苯醚       - mg/kg       5 ND         三溴二苯醚       - mg/kg       5 ND         三溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND	一溴联苯	-	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         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         三溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND	二溴联苯	-	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         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         三溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND	三溴联苯	-	mg/kg	5	ND
六溴联苯       -       mg/kg       5       ND         七溴联苯       -       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         三溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND	四溴联苯	-	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         三溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND	五溴联苯	-	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         三溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND	六溴联苯	-	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         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	七溴联苯	-	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         三溴二苯醚       -       mg/kg       5       ND         三溴二苯醚       -       mg/kg       5       ND         四溴二苯醚       -       mg/kg       5       ND	八溴联苯	-	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         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         四溴二苯醚 - mg/kg 5 ND	九溴联苯	-	mg/kg	5	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	十溴联苯	-	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	多溴二苯醚之和(PBDEs)	1,000	mg/kg	-	ND
三溴二苯醚       - mg/kg       5 ND         四溴二苯醚       - mg/kg       5 ND	一溴二苯醚	-	mg/kg	5	ND
四溴二苯醚 - mg/kg 5 ND	二溴二苯醚	-	mg/kg	5	ND
	三溴二苯醚	-	mg/kg	5	ND
五溴二苯醚 - mg/kg 5 ND	四溴二苯醚	-	mg/kg	5	ND
	五溴二苯醚	-	mg/kg	5	ND



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<u>测试项目</u>	<u>限值</u>	单位	<u>MDL</u>	<u>002</u>
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
邻苯二甲酸二丁酯 (DBP)	1,000	mg/kg	50	ND
邻苯二甲酸丁苄酯(BBP)	1,000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	1,000	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	1,000	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系列 http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP\_ORG\_ID,FSP\_LANG\_ID:12586 37,25



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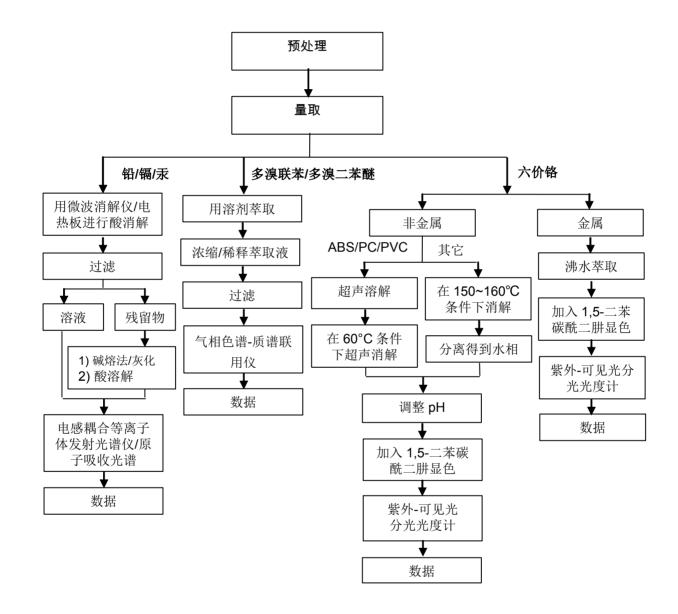
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## 附件

# Pb/Cd/Hg/Cr6+/PBBs/PBDEs 测试流程图

1) 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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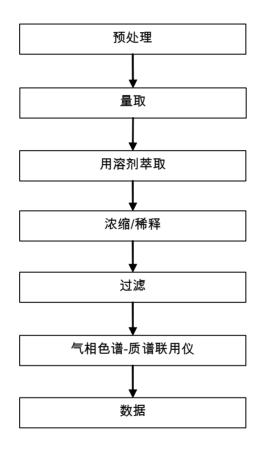


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附件

## Phthalates 测试流程图





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