

## 测试报告

No. TSNHG1601665501

日期: 2016年09月20日

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天津市华元正兴橡塑制品有限公司  
天津市西青区张家窝镇张家窝村村南

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SGS工作编号: TJHL1609003895BC - TJ  
 供应商: 天津市华元正兴橡塑制品有限公司  
 制造商: 天津市华元正兴橡塑制品有限公司  
 原产国: CHINA  
 目的地/国: GERMANY  
 样品接收日期: 2016年09月13日  
 测试周期: 2016年09月13日 - 2016年09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

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Reabeca Zhou 周艳  
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	TSN16-016655.001	黑色橡胶片

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

### 多环芳香烃(PAHs)

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

测试项目	单位	MDL	001
苯并(a)芘 (BaP)	mg/kg	0.1	ND
苯并(e)芘 (BeP)	mg/kg	0.1	ND
苯并(a)蒽 (BaA)	mg/kg	0.1	ND
苯并(b)荧蒽 (BbF) 和 苯并(j)荧蒽 (BjF)	mg/kg	0.1	ND
苯并(k)荧蒽 (BkF)	mg/kg	0.1	ND
屈 (CHR)	mg/kg	0.1	ND
二苯并(a,h)蒽 (DBA)	mg/kg	0.1	ND
苯并(g,h,i)芘 (二苯并(a,h)芘) (BPE)	mg/kg	0.1	ND
茚并(1,2,3-c,d)芘 (IPY)	mg/kg	0.1	ND
蒽 (ANT)	mg/kg	0.1	1.8
蒽 (ANT)	mg/kg	0.1	ND
荧蒽 (FLT)	mg/kg	0.1	0.9
7项多环芳香烃总和[蒽(ANT), 荧蒽(FLT), 苯并(a)蒽(BaA), 苯并(b)荧蒽(BbF), 苯并(k)荧蒽(BkF), 屈(CHR), 二苯并(a,h)蒽(DBA)]	mg/kg	-	9.6
萘 (NAP)	mg/kg	0.1	1.4
18项多环芳香烃总和	mg/kg	-	11.0



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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
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)花(二苯并苯)(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
蒽(ANY), 蒽(蒽嵌戊烷)(ANA), 苊 (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) 2014 年 8 月 4 日, 德国产品安全委员会 (AfPS) 发布了关于多环芳香烃 (PAHs) 新文件, 该文件已被 GS 认证机构对于进行 GS 标志认证所考虑。

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样品照片:



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