

## 测试报告

No. TSNEC1300722702

日期: 2013年07月19日 第1页,共5页

济南汇百川化工有限公司  
中国山东省济南市经济开发区南园国道路6019号

以下测试之样品是由申请者所提供及确认: 碳黑

SGS工作编号: TP13-003549 - TJ  
主要成份: 碳  
样品接收日期: 2013年07月15日  
测试周期: 2013年07月15日 - 2013年07月19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

通标标准技术服务有限公司  
授权签名



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
1	TSN13-007227.001	黑色粉末

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	1.7
苊烯(ANY)	mg/kg	0.2	1.5
苊(萘嵌戊烷) (ANA)	mg/kg	0.2	0.5
芴 (FLU)	mg/kg	0.2	0.3
菲 (PHE)	mg/kg	0.2	0.5
蒽 (ANT)	mg/kg	0.2	ND
荧蒽 (FLT)	mg/kg	0.2	0.4
芘 (PYR)	mg/kg	0.2	2.0
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(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)芘(二苯嵌苯) (BPE)	mg/kg	0.2	ND
18项多环芳香烃总和	mg/kg	-	6.9

### 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

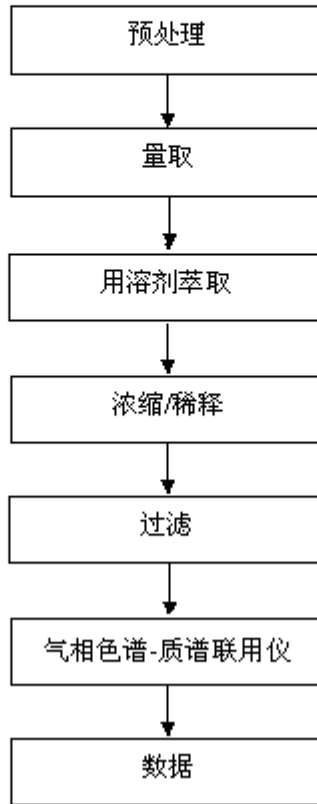
\*\*= 若设计意图为放入口中的材料的测试结果大于1类限值但不超过2类限值,需再依据DIN EN 1186ff/EN13130及 § 64 LFGB 80.30-1进行PAH的迁移性测试并根据相关食品法规进行判定.

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附件

PAHs 测试流程图

- 1) 分析人员: 孙美芳
- 2) 项目负责人: 朱敏



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