

测试报告

No. SHAEC2113700802

日期: 2021年07月13日 第1页,共5页

临海市绿茵硅胶科技有限公司
浙江省台州市临海市江南街道三洞桥村

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SGS工作编号: SP21-020505 - SH
 买家: 双立人
 样品接收日期: 2021年07月01日
 测试周期: 2021年07月01日 - 2021年07月13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 |
|---|----|
| 德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-萃取物含量 | 符合 |
| 德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-感官(气味和味道)测试 | 符合 |
| 德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-铅和镉 | 符合 |
| 德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-挥发性有机物(VOM) | 符合 |
| 德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-多环芳香烃(PAH) | 符合 |

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测试结果:

测试样品描述:

| 样品编号 | SGS样品ID | 描述 | 材质 (客户提供) |
|------|------------------|-------|--------------|
| SN1 | SHA21-137008.001 | 灰色硅胶圈 | 硅胶 |

备注:

- (1) mg/dm² = 毫克每平方米
- (2) mg/kg = 毫克每千克
- (3) °C = 摄氏度
- (4) < = 小于
- (5) MDL = 方法检测限
- (6) ND = 未检出 (< MDL)

德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-萃取物含量

测试方法: 参考61届塑料测试交流会议, 联邦健康卫生报46 (2003) 362。

| 常用模拟液 | 时间 | 温度 | 最大允许限值 | 样品001 萃取物含量 | 结论 |
|---------------|----------|------|------------|----------------|----|
| 去离子水 | 2.0hr(s) | 70°C | 0.5% (w/w) | <0.1% (w/w) | 符合 |
| 3%乙酸水溶液(W/V) | 2.0hr(s) | 70°C | 0.5% (w/w) | <0.1% (w/w) | 符合 |
| 10%乙醇水溶液(V/V) | 2.0hr(s) | 70°C | 0.5% (w/w) | <0.1% (w/w) | 符合 |

备注:

- (1) 测试条件和模拟液由客户指定。

德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-感官(气味和味道)测试

测试方法: 参考DIN 10955:2004

测试人员数: 6

| 测试项目 | 限值 | 001 |
|-----------------|-----|-----|
| 测试媒介 | - | DW |
| 测试时间 (hr) | - | 2 |
| 温度(°C) | - | 40 |
| 感官(气味) 测试 (分数制) | 2.5 | 0 |
| 感官(味道)测试 (分数制) | 2.5 | 0 |
| 结论 | | 符合 |



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备注:

- 分数评价 (0.5进制):
- 0 - 无差别
- 1 - 极小差别
- 2 - 微弱的可察觉的差别
- 3 - 明显可察觉的差别
- 4 - 极大的差别
- DW = 蒸馏水

德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-铅和镉

测试方法: 总铅和总镉: 酸消解, 采用 ICP-OES 进行分析。

| 测试项目 | 限值 | 单位 | MDL | 001 |
|------|----|-------|-----|-----|
| 总铅 | ★ | mg/kg | 2 | ND |
| 总镉 | ★ | mg/kg | 2 | ND |
| 结论 | | | | 符合 |

备注:

(1) ★ = 不得检出。

德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-挥发性有机物(VOM)

测试方法: 参考61届塑料测试交流会议, 联邦健康卫生报46 (2003) 362

| 测试项目 | 限值 | 单位 | MDL | 001 |
|-------------|-----|---------|------|------|
| 时间 | - | hr(s) | - | 4.0 |
| 温度 | - | °C | - | 200 |
| 挥发性有机物(VOM) | 0.5 | % (w/w) | 0.10 | 0.41 |
| 结论 | | | | 符合 |

备注:

(1) %w/w = 质量百分比

德国食品与日用品法案(LFGB)(2005年9月1日)第30和31章节及其修正法案和BfR建议-多环芳香烃(PAH)

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



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| 测试项目 | 限值 | 单位 | MDL | 001 |
|--|-----|-------|-----|-----|
| 18项多环芳香烃总和 | 1 | mg/kg | - | ND |
| 7项多环芳香烃总和[萘(ANY), 芘(萘嵌戊烷) (ANA), 芴 (FLU), 菲 (PHE), 苝 (PYR), 蒽 (ANT), 荧蒽 (FLT)] | 1 | mg/kg | - | ND |
| 萘 (NAP) | 1 | mg/kg | 0.1 | ND |
| 萘(ANY) | - | mg/kg | 0.1 | ND |
| 芘(萘嵌戊烷) (ANA) | - | mg/kg | 0.1 | ND |
| 芴 (FLU) | - | mg/kg | 0.1 | ND |
| 菲 (PHE) | - | mg/kg | 0.1 | ND |
| 蒽 (ANT) | - | mg/kg | 0.1 | ND |
| 荧蒽 (FLT) | - | mg/kg | 0.1 | ND |
| 苝 (PYR) | - | mg/kg | 0.1 | ND |
| 苯并(a)蒽 (BaA) | 0.2 | mg/kg | 0.1 | ND |
| 蒽 (CHR) | 0.2 | mg/kg | 0.1 | ND |
| 苯并(b)荧蒽 (BbF)+ 苯并(j)荧蒽 (BjF) | 0.2 | mg/kg | 0.1 | ND |
| 苯并(k)荧蒽 (BkF) | 0.2 | mg/kg | 0.1 | ND |
| 苯并(a)苝 (BaP) | 0.2 | mg/kg | 0.1 | ND |
| 苯并(e)苝 (BeP) | 0.2 | mg/kg | 0.1 | ND |
| 茚并(1,2,3-c,d)苝 (IPY) | 0.2 | mg/kg | 0.1 | ND |
| 二苯并(a,h)蒽(DBA) | 0.2 | mg/kg | 0.1 | ND |
| 苯并(g,h,i)苝(二萘嵌苯) (BPE) | 0.2 | mg/kg | 0.1 | ND |

结论

符合

除非另有说明, 此报告结果仅对测试的样品负责。本报告未经本公司书面许可, 不可部分复制。检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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