

测试报告

编号 : SHIN1612067159PS_CN

日期 : 2017-01-16

页码 : 1 of 6

客户名称: 沈阳辽海装备有限责任公司
客户地址: 辽宁省沈阳市和平区十三纬路 23 号

样品名称 : Zndop 聚乙烯(PE)抗菌母粒
产品规格 : 含 Zndop 抗菌剂 0.2% (体积比) 聚乙烯 (PE) 抗菌母粒
货号或批号 : NPE-2016-3
生产商 : 沈阳辽海装备有限责任公司

以上信息及样品由客户提供及确认, SGS 不承担证实客户提供信息的准确性、适当性和(或)完整性的责任。

收样日期 : 2016-12-28
测试开始时间 : 2016-12-28
测试结束时间 : 2017-01-16
测试结果 : 请见下页 (除另有特别说明外, 此报告结果仅对测试样品负责)

通标标准技术服务(上海)有限公司
授权签名

王强

授权签字人



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SGS-CSI (Shanghai) Technical Services Co., Ltd.
Testing Center for Chemical Analysis

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SHML 652322

测试报告

编号 : SHIN1612067159PS_CN

日期 : 2017-01-16

页码 : 2 of 6

1. 测试项目: 抗菌性试验

样品描述: 袋装片材

测试方法: QB/T 2591-2003 抗菌塑料—抗菌性能试验方法和抗菌效果, 附录 A: 抗菌塑料—抗菌性能试验方法

试验菌种: 金黄色葡萄球菌 ATCC 6538, 大肠杆菌 ATCC 25922, 肺炎克雷伯氏菌 ATCC 4352, 白色念珠菌 ATCC 10231

测试结果:

实验菌种	实验分组	菌液浓度 (cfu/mL)	接种培养 24 小时后的细菌数 (cfu/片)		抗菌率 (%)
金黄色葡萄球菌 ATCC 6538	第一组	6.0×10^5	样品	<100	>99
			阴性对照样品	1.1×10^7	
			空白对照样品	1.2×10^7	
	第二组	6.0×10^5	样品	<100	>99
			阴性对照样品	1.1×10^7	
			空白对照样品	1.2×10^7	
大肠杆菌 ATCC 25922	第一组	9.3×10^5	样品	<100	>99
			阴性对照样品	8.6×10^7	
			空白对照样品	9.3×10^7	
	第二组	9.3×10^5	样品	<100	>99
			阴性对照样品	8.3×10^7	
			空白对照样品	9.4×10^7	



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Testing Center for Inspection & Testing Services (Shanghai) Co., Ltd.

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实验菌种	实验分组	菌液浓度 (cfu/mL)	接种培养 24 小时后的细菌数 (cfu/片)		抗菌率 (%)
肺炎克雷伯氏菌 ATCC 4352	第一组	8.1×10^5	样品	<100	>99
			阴性对照样品	6.1×10^7	
			空白对照样品	7.3×10^7	
	第二组	8.1×10^5	样品	<100	>99
			阴性对照样品	6.0×10^7	
			空白对照样品	7.3×10^7	
白色念珠菌 ATCC 10231	第一组	5.3×10^5	样品	<100	>99
			阴性对照样品	4.2×10^7	
			空白对照样品	5.2×10^7	
	第二组	5.3×10^5	样品	<100	>99
			阴性对照样品	4.3×10^7	
			空白对照样品	5.0×10^7	

备注: 阴性对照样品采用一次性灭菌 Ø90mm 的塑料平皿内底, 由 SGS 实验室提供。

空白对照样品为无抗菌性能塑料膜, 由 SGS 实验室提供



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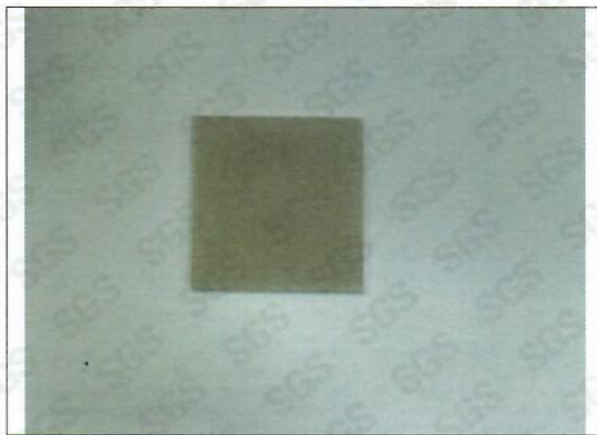
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结论:

试验菌种名称 (菌种编号)	抗细菌率 (%)	QB/T 2591-2003 附录 A 抗菌性能评价	评价
金黄色葡萄球菌 (ATCC 6538)	>99	1. 抗细菌率 \geq 99%可报告有 强抗菌作用; 2. 抗细菌率 \geq 90%可报告有 抗菌作用	符合: 有强抗菌作用
	>99		
大肠杆菌 (ATCC 25922)	>99		符合: 有强抗菌作用
	>99		
肺炎克雷伯氏菌 (ATCC 4352)	>99		符合: 有强抗菌作用
	>99		
白色念珠菌 (ATCC 10231)	>99		符合: 有强抗菌作用

测试照片:



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SHML 652325

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2. 测试项目: 抗菌性试验

样品描述: 块状样品

测试方法: 参考 QB/T 2591-2003, 附录 A: 抗菌塑料 - 抗菌性能试验方法

试验菌种: 耐甲氧西林金黄色葡萄球菌 ATCC 33591

测试结果:

实验菌种	实验分组	菌液浓度 (cfu/mL)	接种培养 24 小时后的细菌数 (cfu/片)		抗菌率 (%)
耐甲氧西林金黄色葡萄球菌 ATCC 33591	第一组	6.5×10^5	样品	$< 1.0 \times 10^2$	> 99
			阴性对照样品	6.5×10^6	
			空白对照样品	6.0×10^6	
	第二组	8.1×10^5	样品	$< 1.0 \times 10^2$	> 99
			阴性对照样品	7.4×10^6	
			空白对照样品	5.8×10^6	

备注:

1. 阴性对照样品采用一次性灭菌 $\varnothing 90\text{mm}$ 的塑料平皿内底, 由 SGS 实验室提供。
2. 空白对照样品为无抗菌性能塑料膜, 由 SGS 实验室提供。

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测试照片:



- 该检测项目 2 由 SGS 内部其他实验室执行。
- 该检测报告为由 SGS 通标标准技术服务（上海）有限公司发布的原检测报告 编号：SHIN1612067159PS 日期：2017-01-16 的中文译本，如中英文有差异，概以英文为准。

***** 报告结束 *****

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SHML 652327

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