

帕 柯 斯

PARX MATERIALS

（纺织品类）

检 测 报 告 集

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2025-4-1

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广州市微生物研究所

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

TEST REPORT



报告编号	WJ20200180
样品名称	白大褂布料
委托单位	湖南奕宁医疗科技有限公司



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检测编号：WJ20200180
Test No.

广州市微生物研究所
GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告
TEST REPORT

收样日期：2020 年 02 月 24 日
Date Received

检测日期：2020 年 02 月 26 日
Date Analyzed

样品名称 Name of Sample	白大褂布料	样品来源 Source of Sample	送样
委托单位 Applicant	湖南奕宁医疗科技有限公司	委托方编号 Client Number	——
生产单位 Manufacturer	宁波市帕柯斯塑料科技有限公司 NINGBO PARX PLASTIC TECHNOLOGY CO., LTD	商标 Brand	康她他
型号规格 Type and Specification	F-PP0015	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	2020-02-19	样品状态 State of Sample	固体
生产批号 Batch Number	20201160002	样品包装 Packing of Sample	——
检验依据和方法 Standard and Methods	GB/T 20944.3-2008 纺织品抗菌性能的评价 第 3 部分：振荡法		
检测项目 Items of Analysis	抗菌性能（大肠杆菌 ATCC 25922、金黄色葡萄球菌 ATCC 6538）		
备注 Remarks	——		

检测结果：
Test Results

样品编号	试验菌种	0h 对照样 烧瓶内活 菌浓度均 值(cfu/mL)	18h 后对照 样烧瓶内活 菌浓度均值 (cfu/mL)	18h 后抗菌 试样烧瓶内 活菌浓度均 值(cfu/mL)	试验菌 增长值 (F)	抑菌率 (%)	标准值	单项 评价
WJ20200180-1	大肠杆菌	2.3×10^4	2.5×10^7	5.6×10^5	3.0	98	$\geq 70\%$	具有抗菌效果
	金黄色葡萄球菌	2.1×10^4	2.4×10^6	<1	2.1	>99	$\geq 70\%$	具有抗菌效果

报告结束/End of report

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检测报告

TEST REPORT



报告编号	WJ20200546
样品名称	熔喷布
委托单位	宁波市帕柯斯塑料科技有限公司



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检测编号：WJ20200546

Test No.

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检测报告

TEST REPORT

收样日期：2020 年 03 月 19 日

Date Received

检测日期：2020 年 03 月 24 日

Date Analyzed

样品名称 Name of Sample	熔喷布	样品来源 Source of Sample	送样
委托单位 Applicant	宁波市帕柯斯塑料科技有限公司	委托方编号 Client Number	—
生产单位 Manufacturer	宁波市帕柯斯塑料科技有限公司 NINGBO PARX PLASTIC TECHNOLOGY CO.,LTD	商标 Brand	康她他
型号规格 Type and Specification	R25G-PP0015	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	2020/03/18	样品状态 State of Sample	固体
生产批号 Batch Number	2020031801	样品包装 Packing of Sample	—
检验依据和方法 Standard and Methods	GB/T 20944.3-2008 纺织品抗菌性能的评价 第 3 部分：振荡法		
检测项目 Items of Analysis	抗菌性能（大肠杆菌 ATCC 25922、金黄色葡萄球菌 ATCC 6538）		
备注 Remarks	—		

检测结果：

Test Results

样品编号	试验菌种	0h 对照样 烧瓶内活 菌浓度均 值(cfu/mL)	18h 后对照 样烧瓶内活 菌浓度均值 (cfu/mL)	18h 后抗菌 试样烧瓶内 活菌浓度均 值(cfu/mL)	试验菌 增长值 (F)	抑菌率 (%)	标准值	单项 评价
WJ20200546-1	大肠杆菌	2.3×10^4	1.7×10^7	2.5×10^3	2.8	99	$\geq 70\%$	具有抗 菌效果
	金黄色 葡萄球 菌	2.3×10^4	1.9×10^6	4.8×10^2	1.9	99	$\geq 70\%$	具有抗 菌效果

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结果: 过滤效率: 97.4% (标准值 $\geq 95\%$)

呼气阻力: 162 (标准值 ≤ 350)

吸气阻力: 159 (标准值 ≤ 250)

口罩下方视野: 77 (标准值 ≥ 60)

头带: 未断裂或滑脱 (10N, 持续10S)



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(2018) 国认监认字 (244) 号



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检 验 报 告

TEST REPORT



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报 告 编 号

REPORT NO.

国纺委字第 W202014335 号

产 品 名 称

NAME OF SAMPLE

KN95 口罩

委 托 单 位

CUSTOMER

宁波市帕柯斯塑料科技有限公司

检 验 类 别

TEST CATEGORY

委托检验

浙江省轻工业产品质量检验研究院

(浙江省纺织测试研究院)

Zhejiang Light Industrial Products Inspection and Research Institute

国家纺织服装产品质量监督检验中心 (浙江)

National Textiles and Garment Quality Supervision Inspection Center(Zhejiang)

浙江省轻工业品质量检验研究院
国家纺织服装产品质量监督检验中心 (浙江)

检验报告

国纺委字第 W202014335 号

第 1 页 共 3 页

委托单位名称 Name of Customer	宁波市帕柯斯塑料科技有限公司	地 址 Address	浙江省余姚市泗门镇振兴南路 388 号
生产单位 Manufacturer	宁波市帕柯斯塑料科技有限公司	地 址 Address	---
样品信息 Sample information	样品名称 Name of sample: KN95 口罩 样品特性 Characteristics: 白色 商标 Trademark: --- 规格/号型 Specification/model: --- 等 级 Level: KN95 安全技术类别 Category of safety specification: --- 样品款号/货号 Art. No.: --- -----		
以上为客供信息 (Above-mentioned information by Customer-supplied)			
来样方式 The sent way of sample	快递	样品数量 Sample quantity	30 只
送检日期 Receiving Date of Sample	2020-05-02	检测类别 Test Category	委托检验
判定依据 Rating Requirements	GB 2626-2006		
检测结论/Test Summary: 实测结果详见附页。  (检验报告专用章) Test Seal 检验检测专用章 批准日期/ Date of Approval: 2020-05-13			
备 注 Remarks			

签 发:
Approved by

俞杰

检验报告

国纺委字第 W202014335 号

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序号	检测项目	检测方法	单位	标准要求 (KN95)	实测值	单项评价	结果备注
1	过滤效率 (盐性介质)	GB 2626-2006 6.3	%	≥ 95.0	97.4	符合	---
2	呼吸阻力	GB 2626-2006 6.5 6.6	Pa	≤ 350	162	符合	---
			Pa	≤ 250	159		
3	口罩下方视野	GB 2890-2009 6.8	°	≥ 60	77	符合	---
4	头带	GB 2626-2006 6.11	---	10N, 持续 10s, 不应出现滑脱 或断裂	未出现断裂或 滑脱现象	符合	---



结果: 过滤效率: 97.4% (标准值 $\geq 95\%$)

呼气阻力: 162 (标准值 ≤ 350)

吸气阻力: 159 (标准值 ≤ 250)

口罩下方视野: 77 (标准值 ≥ 60)

头带: 未断裂或滑脱 (10N, 持续10S)

检验报告

国纺委字第 W202014335 号

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样品图片



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测试报告

报告编号: GZF20-002378-01

签发日期: 2020-06-02

客户名称: 宁波市帕柯斯塑料科技有限公司
客户地址: 浙江省余姚市泗门镇振兴南路388号
样品名称: 布料
样品批号: 2020PP0015-03
生产日期: /
生产商: /
样品其他信息: /

以上样品及信息由客户提供及确认, SGS 不承担证实客户提供信息的准确性、适当性和(或)完整性责任。

SGS 样品编号: GZF20-002378-01
SGS 相关号: NBAFL202000237801
样品接收日期: 2020-03-09
样品测试日期: 2020-03-09 ~ 2020-06-01

测试要求:

根据申请者的要求:
抗病毒效果实验

测试方法:

请参见下页

测试结果:

请参见下页

除非另有说明, 本检验结果仅对测试样负责, 仅供客户内部使用, 不对社会具有证明作用。未经检验机构书面同意, 委托人不得擅自使用检验结果进行不当宣传。



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测试报告

报告编号: GZF20-002378-01

签发日期: 2020-06-02

测试方法:
ISO 18184:2014
抗病毒活性*

测试结果:

病毒名称	实验序号	对照样接种孵育0h后病毒滴度的对数值 (lgTCID ₅₀ /瓶)	对照样接种孵育8h后病毒滴度的对数值 (lgTCID ₅₀ /瓶)	试样接种孵育8h后病毒滴度的对数值 (lgTCID ₅₀ /瓶)	抗病毒活性值	抗病毒活性率 (%)
甲型流感病毒	1	6.87	6.87	2.80	4.08	99.99
H1N1 (A/PR/8/34)	2	6.97	6.80	2.80		
MDCK细胞	3	7.05	6.80	2.63		

注:*分包检测项目由 SGS 集团以外的实验室完成。

样品描述: 布料



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广州市微生物研究所

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

TEST REPORT



报告编号 WJ20203094

样品名称 KN95 口罩无纺布

委托单位 江西盐选科技有限公司



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推荐实验室

检测编号: WJ20203094
Test No.

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GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告 TEST REPORT

收样日期: 2020 年 07 月 24 日
Date Received

检测日期: 2020 年 07 月 29 日
Date Analyzed

样品名称 Name of Sample	KN95 口罩无纺布	样品来源 Source of Sample	送样
委托单位 Applicant	江西盐选科技有限公司	委托方编号 Client Number	——
生产单位 Manufacturer	宁波帕柯斯塑料科技有限公司	商标 Brand	氧扉
型号规格 Type and Specification	F-PP0015	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	2020-02-19	样品状态 State of Sample	固体
生产批号 Batch Number	20201160002	样品包装 Packing of Sample	——
检验依据和方法 Standard and Methods	GB/T 20944.3-2008 纺织品抗菌性能的评价 第 3 部分: 振荡法		
检测项目 Items of Analysis	抗菌性能 (大肠杆菌 ATCC 25922、金黄色葡萄球菌 ATCC 6538)		
备注 Remarks	——		

检测结果:
Test Results

样品编号	试验菌种	0h 对照样 烧瓶内活 菌浓度均 值(cfu/mL)	18h 后对照 样烧瓶内活 菌浓度均 值(cfu/mL)	18h 后抗菌 试样烧瓶内 活菌浓度均 值(cfu/mL)	试验菌 增长值 (F)	抑菌率 (%)	标准值	单项 评价
WJ20203094-1	大肠杆菌	2.5×10^4	4.5×10^7	5.4×10^3	3.3	99	$\geq 70\%$	具有抗 菌效果
	金黄色 葡萄球菌	2.4×10^4	8.5×10^6	3.6×10^4	2.5	99	$\geq 70\%$	具有抗 菌效果

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Date Reported

2020.8.6



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Test report n°: **21RP00639** dated **19/02/2021**Dear
Parx Plastics Europe BV
Hig Goudsesingel 46 (unit 17)
3011KD Rotterdam ()**Acceptance Data**Subject of the test: **Textiles**Transport: **Customer**Date of arrival: **16/02/2021** Time of arrival: **15.11**Acceptance date: **16/02/2021****Sample data (C)**Description: **15728 - 2 PA test****Sampling data**Sampling by: **Customer**Place: **Customer location**



follows Test report n°: **21RP00639** dated **19/02/2021**

Parameter - Specification <i>Method - Notes</i>	M.U.	Results Notes	LoQ	LoD	Test start Test end
Antibacterial activity A = (lgCt - lg C0) - (lgTt - lgT0) ISO 20743:2013 (escluso p.to 8.2 8.3)		4,7	0,4		17/02/21 19/02/21
Determination of antibacterial activity (R) ISO 20743:2013 (escluso p.to 8.2 8.3)	%	99,998	60		
Strain		Klebsiella pneumoniae - ATCC 4352			
Inoculation method		Absorption			
Inoculation concentration	UFC/ml	300000			
Measuring method		Plate count method			
Co - media bacteria recovered from specimens NOT treated in t = 0	UFC	34000	20		
Ct - media bacteria recovered from specimens NOT treated after 24h	UFC	140000000	20		
To- media bacteria recovered from specimens treated in t = 0	UFC	37000	20		
Tt - media bacteria recovered from specimens treated after 24h	UFC	2800	20		
Method of conditioning		UV-C radiation (30 min per side)			
Reference used		Untreated sample			



follows Test report n°: **21RP00639** dated **19/02/2021**

21RP00639/01 15728 - 2 PA test					
Parameter - Specification <i>Method - Notes</i>	M.U.	Results Notes	LoQ	LoD	Test start Test end
Antibacterial activity A = (lgCt - lg C0) - (lgTt - lgT0) ISO 20743:2013 (escluso p.to 8.2 8.3)		4,1	0,4		16/02/21 19/02/21
Determination of antibacterial activity (R) ISO 20743:2013 (escluso p.to 8.2 8.3)	%	99,992	60		
Strain		Staphylococcus aureus - ATCC 6538			
Inoculation method		Absorption			
Inoculation concentration	UFC/ml	110000			
Measuring method		Plate count method			
Co - media bacteria recovered from specimens NOT treated in t = 0	UFC	18000	20		
Ct - media bacteria recovered from specimens NOT treated after 24h	UFC	44000000	20		
To- media bacteria recovered from specimens treated in t = 0	UFC	15000	20		
Tt - media bacteria recovered from specimens treated after 24h	UFC	3200	20		
Method of conditioning		UV-C radiation (30 min per side)			
Reference used		Untreated sample			

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If the sample is unsuitable but the Customer chooses to continue anyway, the laboratory declines all responsibility for the results that could be influenced by the deviation.

LEGEND: **U.M.** = unit of measurement; **(sup)** = upper limit; **(inf)** = Lower Limit; **LoQ** = limit of quantification, is the lower concentration limit above which it is possible to obtain a quantitative measurement instrumentally; in microbiology the LoQ is theoretical in nature; **LoD** = limit of detection, it is the lower concentration limit below which the sample cannot be detected; in qualitative analyzes it represents the minimum concentration at which it is possible to determine or not the presence of an analyte; **NQ** = not quantifiable, indicates a value lower than LoQ; **NR** = not detectable, indicates a value lower than LoD; "< x" or "> x" respectively indicate a value lower or higher than the measurement range of the test, where x is the result; **N.A.** = not applicable to the test; **M.I.** = internal method.

(m): Indicates a change from the previous version of the test report.

(e): Indicates that the test/activity was performed under subcontract.

The analytical results refer exclusively to the sample under test.

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The samples are kept in the laboratory for 2 weeks from the end of the test, unless otherwise indicated.

The records of the tests carried out are kept by the laboratory for 5 years from the issue of the test report.

IF NOT DIFFERENTLY SPECIFIED: the results of this test report are not correct for the recovery factors (R) as the recovery values fall within the tolerance indicated in the test method; the summations are calculated using the lower bound criterion (L.B.); the values (if present on the test report) reported in the "uncertainty" column refer to the expanded uncertainty with coverage factor K approximated to 2, probability level = 95%; the sampling report is identified and filed with the same sample acceptance code or with the relative order number.

The uncertainty is expressed in units of measurement of the parameter to which they relate. The coverage factor is equal to k=2 with a probability range of 95%.



follows Test report n°: **21RP00639** dated **19/02/2021**

Technical Director

Gioachin Dr. Carlo
Chemist

Ordine Interprov. Chimici del Veneto - Padova n° 860 SEZ. A

----- End of Test Report -----

样品: 无纺布
结果: 大肠杆菌抑菌率99%
金黄色葡萄球菌抑菌率99%
白色念珠菌抑菌率90%
符合安全性要求、符合抗菌针织品AAA级别



检测报告

ASH21-016351-01

发布日期: 2021年04月02日

客户名称: 宁波帕柯斯新材料科技有限公司
客户地址: 浙江省余姚市中意宁波生态园兴滨路28号

样品名称: 无纺布
生产商: 宁波帕柯斯新材料科技有限公司
样品批号: W-0019NW
生产日期: 2021/03/17
供应商: 宁波帕柯斯新材料科技有限公司

以上样品及信息由客户提供及确认, SGS不承担证实客户提供信息的准确性、适当性和(或)完整性责任。

SGS相关号: NBAFL202100386600
样品接收日期: 2021年03月22日
检测周期: 2021年03月22日 - 2021年04月02日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页

本报告以中文为准。

除非另有说明, 本检测结果仅与被检测物品有关。未经检验机构书面同意, 委托人不得擅自使用检测结果进行不当宣传。



ASH21-016351-01

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样品：无纺布
结果：大肠杆菌抑菌率99%
金黄色葡萄球菌抑菌率99%
白色念珠菌抑菌率90%
符合安全性要求、符合抗菌针织品AAA级别



检测报告

ASH21-016351-01

发布日期: 2021年04月02日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH21-016351.001	袋装物
2	ASH21-016351.002	袋装物

检测结果:

检测要求: 安全性试验 (晕圈法)
抗菌效果试验

检测方法: 洗涤方法: FZ/T 73023-2006 抗菌针织品 附录C 抗菌织物试样洗涤试验方法
安全性试验: FZ/T 73023-2006 抗菌针织品 附录E 抗菌物质的溶出性测试方法
抗菌效果试验: FZ/T 73023-2006 抗菌针织品 附录D.8 抗菌织物测试方法: 振荡法

ASH21-016351.001

检测菌种	大肠杆菌 ATCC 25922	金黄色葡萄球菌 ATCC 6538	白色念珠菌 ATCC 10231
培养时间 (小时)	18h	18h	48h
抑菌圈宽度D (mm)	0	0	0
安全性要求	D≤5mm	D≤5mm	D≤5mm
评价	符合	符合	符合

ASH21-016351.002

检测菌种	白色念珠菌 ATCC 10231	大肠杆菌 ATCC 25922	金黄色葡萄球菌 ATCC 6538
标准空白样-0小时 (cfu/mL)	1.8x10 ⁴	2.3x10 ⁴	2.2x10 ⁴
阳性对照-0小时 (cfu/mL)	1.7x10 ⁴	2.3x10 ⁴	2.2x10 ⁴
样品-18小时 (cfu/mL)	7.6x10 ⁴	9.7x10 ⁴	3.6x10 ²
标准空白样-18小时 (cfu/mL)	7.3x10 ⁵	1.9x10 ⁷	1.7x10 ⁶
阳性对照-18小时 (cfu/mL)	6.6x10 ⁵	1.7x10 ⁷	1.6x10 ⁶

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样品: 无纺布
 结果: 大肠杆菌抑菌率99%
 金黄色葡萄球菌抑菌率99%
 白色念珠菌抑菌率90%
 符合安全性要求、符合抗菌针织品AAA级别



检测报告

ASH21-016351-01

发布日期: 2021年04月02日

	白色念珠菌 ATCC 10231	大肠杆菌 ATCC 25922	金黄色葡萄球菌 ATCC 6538
抑菌率 (%)	90	99	>99
评价	符合	符合	符合

备注:

001:标准空白样由SGS实验室提供。

安全性要求: 抗菌织物洗涤一次后, 抑菌圈宽度D ≤5 mm。

根据FZ/T 73023-2006抗菌针织品 附录C.3 标准化洗涤条件及程序进行1次洗涤后, 抗菌织物所应用抗菌物质的溶出性测试。

测试任意面。

002:根据FZ/T 73023-2006抗菌针织品 附录C.4 简化洗涤条件及程序进行50次(10个完整洗涤循环)洗涤后的抗菌效果试验结果。

FZ/T 73023-2006 AAA级产品水洗50次的抑菌率指标(%)为: 大肠杆菌 ≥70%, 金黄色葡萄球菌 ≥80%, 白色念珠菌 ≥60%。

标准空白样为100%纯棉布, 由SGS实验室提供。

样品灭菌方式为UV灭菌30min。

测试任意面。

结论:

1.所送样品洗涤1次后, 金黄色葡萄球菌、大肠杆菌、白色念珠菌的抑菌圈结果,均符合中华人民共和国纺织行业标准FZ/T 73023-2006 抗菌针织品抑菌圈宽度D≤5 mm的抗菌物质溶出安全性要求。

2.所送样品经过50次(10个完整洗涤循环)洗涤后, 金黄色葡萄球菌、大肠杆菌、白色念珠菌的抑菌率结果, 均符合中华人民共和国纺织行业标准FZ/T 73023-2006 抗菌针织品抗菌级别AAA级产品的抑菌率指标要求。



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金黄色葡萄球菌抑菌率99%
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符合安全性要求、符合抗菌针织品AAA级别



检测报告

ASH21-016351-01

发布日期: 2021年04月02日

样品照片:



该照片只针对SGS原始报告

*** 结束 ***

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Supplement n° 1 to Test report n° 2100036/01 of April 14, 2021

CHIMICAMBIENTE S.R.L.
VIA LEONARDO DA VINCI, 2
35042 - ESTE (PD) - IT

Test information	
MATERIAL	Polyamide
ITEM	Treated sample: 21RP01127 Untreated sample: 21RP01127 Untreated 
TREATMENT	Active principle based on zinc
METHOD	ISO 18184:2019 "Textiles – Determination of antiviral activity of textile products" - Additional control required by the customer to make explicit the absence of cytotoxicity"
Date of receipt of the samples	15 March 2021
Samples	• Treated sample: 20 x 20 mm; • Untreated sample: 20 x 20 mm; • No sterilization as requested by the customer; • Volume of test inoculum: none.
Conservation	Room temperature
Test temperature	25°C ± 1°C
Incubation temperature	37°C ± 1°C
Permissive host cell line	VERO E6





Supplement n° 1 to Test report n° 2100036/01 of April 14, 2021

Page 2 of 2

Verification of cytotoxic effect

The cytotoxic effect is calculated as described in chapter 10.6.2 of the ISO 18184:2014 Standard. The new version of the Standard (ISO 18184: 2019) does not provide for the explication of this test.

3 treated and 3 untreated samples are extracted with 10 ml of medium and the extractions are inserted with the cells in the appropriate wells, then the presence of cell damage is observed by applying the TCID₅₀ calculation method.

Results

After 3 days of incubation no cytotoxic effect is observed in the analyzed wells.

This Test Report refers only to the sample tested; the name and description of the sample are declared by the Customer.
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* Test in service (same Group).

Prato, 20 May 2021

End of test Report

The Responsible,

GIOVANNI
MICHELI
20.05.2021
08:12:10 UTC

Vismederi Textyle S.r.l.
Via Natale Ciampi, 5 - 59100 Prato (Italia) P.IVA: 02475990970
Phone: +39 3392017790 fax: +39 0574 465779
vismederitextyle@gmail.com vismederitextyle@pec.it





Test report n°: **21RP01127** dated **15/04/2021**

Dear
Parx Plastics Europe BV
Hig Goudsesingel 46 (unit 17)
3011KD Rotterdam ()

Acceptance Data

Subject of the test: **Textiles**

Transport: **Customer**

Date of arrival: **12/03/2021**

Time of arrival: **13.33**

Acceptance date: **12/03/2021**



Sample data (C)

Description: **Treated sample PA**

Sampling data

Sampling by: **Customer**

Place: **Customer location**



follows Test report n°: **21RP01127** dated **15/04/2021**

Parameter - Specification <i>Method - Notes</i>	M.U.	Results Notes	LoQ	LoD	Test start Test end
Antiviral activity (e) ISO 18184:2019		See Test report n° 2100036/01 of 14/04/2021			12/03/21 14/04/21

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LEGEND: **U.M.** = unit of measurement; **(sup)** = upper limit; **(inf)** = Lower Limit; **LoQ** = limit of quantification, is the lower concentration limit above which it is possible to obtain a quantitative measurement instrumentally; in microbiology the LoQ is theoretical in nature; **LoD** = limit of detection, it is the lower concentration limit below which the sample cannot be detected; in qualitative analyzes it represents the minimum concentration at which it is possible to determine or not the presence of an analyte; **NQ** = not quantifiable, indicates a value lower than LoQ; **NR** = not detectable, indicates a value lower than LoD; "< x" or "> x" respectively indicate a value lower or higher than the measurement range of the test, where x is the result; **N.A.** = not applicable to the test; **M.I.** = internal method.

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The uncertainty is expressed in units of measurement of the parameter to which they relate. The coverage factor is equal to k=2 with a probability range of 95%.

Technical Director

Gioachin Dr. Carlo
Chemist

Ordine Interprov. Chimici del Veneto - Padova n° 860 SEZ. A

----- End of Test Report -----



Test report n° 2100036/01

CHIMICAMBIENTE S.R.L.
VIA LEONARDO DA VINCI, 2
35042 - ESTE (PD) - IT

Test information	
MATERIAL	Polyamide
ITEM	Treated sample: 21RP01127 Untreated sample: 21RP01127 Untreated 
TREATMENT	Active principle based on zinc
METHOD	ISO 18184:2019 "Textiles – Determination of antiviral activity of textile products"
Date of receipt	15 March 2021
Samples	• Treated sample: 20 x 20 mm; • Untreated sample: 20 x 20 mm; • No sterilization as requested by the customer; • Volume of test inoculum: 200 uL.
Conservation	Room temperature
Test temperature	25°C ± 1°C
Incubation temperature	37°C ± 1°C
Viral strain	SARS-CoV-2_COV2019 ITALY/INMI1
Permissive host cell line	VERO E6
Contact time	2H

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 vismederitextyle@gmail.com vismederitextyle@pec.it





Test report n° 2100036/01

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Calculation of antiviral activity

Antiviral activity is calculated with the following formula:

$$M_v = \lg(V_a) - \lg(V_c)$$

where

M_v is the evaluation of antiviral activity

$\lg(V_a)$ logarithm of the mean of TCID₅₀ of the three replicates at time T0 detected on the control

$\lg(V_c)$ logarithm of the mean of TCID₅₀ of the three replicates at time T detected on the treated sample

Log TCID₅₀ inoculum: 6.8

Control test					
	Average Log TCID ₅₀	TCID ₅₀ /1mL	Test valid if	Results	
Untreated sample	4,00	10 ^{4,00}	(Lg TCID ₅₀ Untreated - Lg TCID ₅₀ Treated) < 0.5		
Treated sample	3.83	10 ^{3,83}		0.17	Valid

Test results

	Time	Average Log TCID ₅₀ Lg (V _a)	TCID ₅₀ / 1 mL	M	Test valid if
Untreated sample	T0	5,58	10 ^{5,58}	/	/
	T2	4,67	10 ^{4,67}	0,92	M<1.0





Test report n° 2100036/01

Page 3 of 3

	Time	Average Log TCID ₅₀ Lg (V _e)	TCID ₅₀ /1 mL	M _v	% reduction versus T0
Treated sample	T2	2,50	10 ^{2,50}	3,08	99,92

Antiviral efficacy	
3.0 > M _v ≥ 2.0	Good effect
M _v ≥ 3.0	Excellent effect

This Test Report refers only to the sample tested; the name and description of the sample are declared by the Customer.
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* Test in service (same Group).

Prato, 14 April 2021

End of test Report

The Responsible,

Vismederi Textyle S.r.l.
Via Natale Ciampi, 5 - 59100 Prato (Italia) P.IVA: 02475990970
Phone: +39 3392017790 fax: +39 0574 465779
vismederitextyle@gmail.com vismederitextyle@pec.it





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检测
TESTING
CNAS L0823



202019005395



推荐实验室

广州市微生物研究所有限公司
GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO.,LTD.

检测报告

TEST REPORT

报告编号	WJ20214719
样品名称	F226 罩杯布
委托单位	福建省清隆针织有限公司



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检测
TESTING
CNAS L0823



检测编号：WJ20214719
Test No.

广州市微生物研究所有限公司
GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO.,LTD.

检测报告 TEST REPORT

收样日期：2021年12月09日
Date Received

检测日期：2021年12月15日
Date Analyzed

样品名称 Name of Sample	F226 罩杯布	样品来源 Source of Sample	送样
委托单位 Applicant	福建省清隆针织有限公司	委托方编号 Client Number	——
生产单位 Manufacturer	福建省清隆针织有限公司	商标 Brand	——
型号规格 Type and Specification	160CM*500G/Y	样品数量 Quantity of Sample	1份
生产日期 Date of Production	2021.12.06	样品状态 State of Sample	片状 颜色：黑色
生产批号 Batch Number	——	样品包装 Packing of Sample	——
检验依据和方法 Standard and Methods	FZ/T 73023—2006 抗菌针织品-附录 D.8 抗菌织物测试方法：振荡法		
检测项目 Items of Analysis	抗菌效果（大肠杆菌 ATCC 25922）		
备注 Remarks	样品处理：洗涤 50 次。		

检测结果：
Test Results

样品编号	试验菌种	0h 对照样 烧瓶内活菌 浓度均值 (cfu/mL)	18h 后对照样 烧瓶内活菌 浓度均值 (cfu/mL)	18h 后抗菌试 样烧瓶内活 菌浓度均值 (cfu/mL)	试验菌增长 值(F)	抑菌率 (%)
WJ20214719-1	大肠杆菌	2.4×10^4	1.7×10^7	1.7×10^6	2.8	90

报告结束/End of report

编制：
Editor

钟伟玲

审核：
Checker

黄洁明

签发：
Issuer

WJ

签发日期（公章）：
Date Reported



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202019005395



推荐实验室

广州市微生物研究所有限公司

GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO.,LTD.

检测报告

TEST REPORT

报告编号 WJ20214718

样品名称 F226 罩杯布

委托单位 福建省清隆针织有限公司



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检测
TESTING
CNAS L0823



202019005395



推荐实验室

检测编号：WJ20214718

Test No.

广州市微生物研究所有限公司

GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO.,LTD.

检测报告

TEST REPORT

收样日期：2021 年 12 月 09 日

Date Received

检测日期：2021 年 12 月 15 日

Date Analyzed

样品名称 Name of Sample	F226 罩杯布	样品来源 Source of Sample	送样
委托单位 Applicant	福建省清隆针织有限公司	委托方编号 Client Number	—
生产单位 Manufacturer	福建省清隆针织有限公司	商标 Brand	—
型号规格 Type and Specification	160CM*500G/Y	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	2021.12.06	样品状态 State of Sample	片状 颜色：天使白
生产批号 Batch Number	—	样品包装 Packing of Sample	—
检验依据和方法 Standard and Methods	FZ/T 73023—2006 抗菌针织品-附录 D.8 抗菌织物测试方法：振荡法		
检测项目 Items of Analysis	抗菌效果（金黄色葡萄球菌 ATCC 6538）		
备注 Remarks	样品处理：洗涤 50 次。		

检测结果：

Test Results

样品编号	试验菌种	0h 对照样 烧瓶内活菌 浓度均值 (cfu/mL)	18h 后对照样 烧瓶内活菌 浓度均值 (cfu/mL)	18h 后抗菌试 样烧瓶内活 菌浓度均值 (cfu/mL)	试验菌增长 值(F)	抑菌率 (%)
WJ20214718-1	金黄色 葡萄球菌	2.4×10^4	5.0×10^6	1.5×10^5	2.3	97

报告结束/End of report

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样品: nodor防臭袜
结果: 洗涤50次后, 大肠杆菌抑菌率75%
金黄色葡萄球菌抑菌率 > 99.9%
白色念珠菌抑菌率80%
符合安全性要求、符合抗菌针织品AAA级别



检测报告

ASH22-000344-01

发布日期: 2022年01月18日

客户名称: 帕柯斯生物技术(福建)有限公司
客户地址: 福建省福州市台江区鳌峰街道曙光支路16号恒丰大厦16层

样品名称: 袜子
生产商: 帕柯斯生物技术(福建)有限公司
样品批号: S-PP0016UNI007SK1N06
生产日期: 2021/12/30
目的地/国: 中国
供应商: 帕柯斯生物技术(福建)有限公司

以上样品及信息由客户提供及确认, SGS不承担证实客户提供信息的准确性、适当性和(或)完整性责任。

SGS相关号: NBAFL202102252974
样品接收日期: 2022年01月05日
检测周期: 2022年01月05日 - 2022年01月18日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页

本报告以中文为准。

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样品: nodor防臭袜
 结果: 洗涤50次后, 大肠杆菌抑菌率75%
 金黄色葡萄球菌抑菌率 > 99.9%
 白色念珠菌抑菌率80%
 符合安全性要求、符合抗菌针织品AAA级别



检测报告

ASH22-000344-01

发布日期: 2022年01月18日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH22-000344.001	袋装物
2	ASH22-000344.002	袋装物

检测结果:

检测要求: 安全性试验 (晕圈法)
 抗菌效果试验

检测方法: 洗涤方法: FZ/T 73023-2006 抗菌针织品 附录C 抗菌织物试样洗涤试验方法
 安全性试验: FZ/T 73023-2006 抗菌针织品 附录E 抗菌物质的溶出性测试方法
 抗菌效果试验: FZ/T 73023-2006 抗菌针织品 附录D.8 抗菌织物测试方法: 振荡法

ASH22-000344.001

检测菌种	大肠杆菌 ATCC 25922	金黄色葡萄球菌 ATCC 6538	白色念珠菌 ATCC 10231
培养时间 (小时)	18h	18h	48h
抑菌圈宽度D (mm)	0	0	0
评价	合格	合格	合格

ASH22-000344.002

检测菌种	白色念珠菌 ATCC 10231	大肠杆菌 ATCC 25922	金黄色葡萄球菌 ATCC 6538
标准空白样-0小时 (cfu/mL)	1.9x10 ⁴	2.1x10 ⁴	2.1x10 ⁴
阳性对照-0小时 (cfu/mL)	1.9x10 ⁴	2.1x10 ⁴	2.1x10 ⁴
样品-18小时 (cfu/mL)	8.6x10 ⁴	1.3x10 ⁶	4.1x10 ³
标准空白样-18小时 (cfu/mL)	4.2x10 ⁵	5.3x10 ⁶	2.1x10 ⁶
阳性对照-18小时 (cfu/mL)	1.7x10 ⁵	1.2x10 ⁶	1.5x10 ⁶
抑菌率 (%)	80	75	>99

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样品: nodor防臭袜
 结果: 洗涤50次后, 大肠杆菌抑菌率75%
 金黄色葡萄球菌抑菌率 > 99.9%
 白色念珠菌抑菌率80%
 符合安全性要求、符合抗菌针织品AAA级别



检测报告

ASH22-000344-01

发布日期: 2022年01月18日

	白色念珠菌 ATCC 10231	大肠杆菌 ATCC 25922	金黄色葡萄球菌 ATCC 6538
评价	符合	符合	符合

备注:

001:

标准空白样由SGS实验室提供。

测试前样品经紫外辐照30分钟处理。

安全性要求: 抗菌织物洗涤一次后, 抑菌圈宽度D ≤ 5 mm。

根据FZ/T 73023-2006抗菌针织品 附录C.3 标准化洗涤条件及程序进行1次洗涤后, 抗菌织物所应用抗菌物质的溶出性测试。

002:

根据FZ/T 73023-2006抗菌针织品 附录C.4 简化洗涤条件及程序进行50次(10个完整洗涤循环)洗涤后的抗菌效果试验结果。

FZ/T 73023-2006 AAA级产品水洗50次的抑菌率指标(%)为: 大肠杆菌 ≥ 70%, 金黄色葡萄球菌 ≥ 80%, 白色念珠菌 ≥ 60%。

标准空白样为100%纯棉布, 由SGS实验室提供。

样品灭菌方式为紫外辐照30分钟处理。

结论:

1. 所送样品洗涤1次后, 金黄色葡萄球菌、大肠杆菌、白色念珠菌的抑菌圈结果, 均符合中华人民共和国纺织行业标准FZ/T 73023-2006 抗菌针织品抑菌圈宽度D ≤ 5 mm的抗菌物质溶出安全性要求。

2. 所送样品经过50次(10个完整洗涤循环)洗涤后, 金黄色葡萄球菌、大肠杆菌、白色念珠菌的抑菌率结果, 均符合中华人民共和国纺织行业标准FZ/T 73023-2006 抗菌针织品抗菌级别AAA级产品的抑菌率指标要求。



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样品: nodor防臭袜
结果: 洗涤50次后, 大肠杆菌抑菌率75%
金黄色葡萄球菌抑菌率 > 99.9%
白色念珠菌抑菌率80%
符合安全性要求、符合抗菌针织品AAA级别



检测报告

ASH22-000344-01

发布日期: 2022年01月18日

样品照片:



ASH22-000344.001



ASH22-000344.002

该照片只针对SGS原始报告

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检测报告

ASH22-037436-01

发布日期: 2022年08月23日

客户名称: 宁波市帕柯斯塑料科技有限公司
客户地址: 浙江省余姚市泗门镇姚北大道5号

样品名称: 仙桃无纺布
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: PP00160728
生产日期: 2020/07/28
目的地/国: 中国
供应商: 宁波市帕柯斯塑料科技有限公司

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SGS相关号: O-NBAFL202201422680
样品接收日期: 2022年08月15日
检测周期: 2022年08月15日 - 2022年08月23日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页

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检测报告

ASH22-037436-01

发布日期：2022年08月23日

检测样品描述：

样品编号	SGS样品ID	描述
1	ASH22-037436.001	袋装物

检测结果：

检测要求：对所提交样品进行振荡接触时间为24小时的抗菌效果实验

检测方法：ASTM E 2149-2020 在动态接触条件下抗菌剂抗菌活性测定的标准试验方法

ASH22-037436.001

检测菌种 大肠杆菌 ATCC 25922

	"0小时"接触时间获得的细菌数(CFU/mL)	"24小时"接触时间获得的细菌数(CFU/mL)
样品(1g)	/	1.4x10 ⁴
只接种对照样	1.6x10 ⁵	3.8x10 ⁶
细菌减少率(%)		>99

备注：

细菌减少率的计算采用了只接种对照的数据。

测试前样品经紫外辐照30分钟处理。



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Testing Center for Technical Services Laboratory

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SGS

检测报告

ASH22-037436-01

发布日期: 2022年08月23日

样品照片:



ASH22-037436.001

该照片只针对SGS原始报告

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结果: 大肠杆菌8099抗菌率90%、大肠杆菌ATCC 8739抗菌率91%
大肠杆菌ATCC 25922抗菌率90%、金黄色葡萄球菌抗菌率99%
肺炎克雷白氏菌抗菌率92%、白色念珠菌抗菌率97%



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国际互认
检测
TESTING
CNAS L0599

检测报告

ASH22-044958-01

发布日期: 2022年09月22日

客户名称: 湖北省依娅防护用品有限公司
客户地址: 仙桃市西流河镇合丰村河东大道

样品名称: 抗菌平面口罩
生产商: 湖北省依娅防护用品有限公司
样品批号: /
生产日期: /

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SGS相关号: CQF22-001535
样品接收日期: 2022年09月14日
检测周期: 2022年09月14日 - 2022年09月22日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页

除非另有说明, 本检测结果仅与被检测物品有关。未经检验机构书面同意, 委托人不得擅自使用检测结果进行不当宣传。



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ASH22-044958-01

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SGS-CTI (Technical Services) (Shanghai) Co., Ltd.
Testing Center Agency / Calibration Laboratory

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结果: 大肠杆菌8099抑菌率90%、大肠杆菌ATCC 8739抑菌率91%
大肠杆菌ATCC 25922抑菌率90%、金黄色葡萄球菌抑菌率99%
肺炎克雷白氏菌抑菌率92%、白色念珠菌抑菌率97%



检测报告

ASH22-044958-01

发布日期: 2022年09月22日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH22-044958.001	袋装物

检测结果:

检测要求: 对所送样品进行抗菌性检测

检测方法: GB/T 20944.3-2008 纺织品 抗菌性能的评价第3部分: 振荡法

ASH22-044958.001

检测菌种	大肠杆菌 8099	大肠杆菌 ATCC 8739	肺炎克雷白氏菌 ATCC 4352
接种菌液浓度 (CFU/mL)	2.5x10 ⁴	2.5x10 ⁴	2.4x10 ⁴
F	3.0	3.1	3.0
Wt (CFU/mL)	2.8x10 ⁷	2.9x10 ⁷	2.8x10 ⁷
W0 (CFU/mL)	2.5x10 ⁴	2.5x10 ⁴	2.4x10 ⁴
Qt (CFU/mL)	2.7x10 ⁶	2.6x10 ⁶	2.3x10 ⁶
抑菌率 (%)	90	91	92
GB/T 20944.3-2008 评价标准	≥70%	≥70%	≥70%
评价	符合	符合	符合
检测菌种	白色念珠菌 ATCC 10231	大肠杆菌 ATCC 25922	金黄色葡萄球菌 ATCC 6538
接种菌液浓度 (CFU/mL)	2.0x10 ⁴	2.1x10 ⁴	2.4x10 ⁴
F	1.4	2.9	2.8
Wt (CFU/mL)	5.1x10 ⁵	1.5x10 ⁷	1.6x10 ⁷
W0 (CFU/mL)	2.0x10 ⁴	2.1x10 ⁴	2.4x10 ⁴
Qt (CFU/mL)	1.3x10 ⁴	1.5x10 ⁶	1.3x10 ⁵
抑菌率 (%)	97	90	99
GB/T 20944.3-2008 评价标准	≥60%	≥70%	≥70%
评价	符合	符合	符合



备注:

Wt: 3个对照样18 h振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。

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结果: 大肠杆菌8099抗菌率90%、大肠杆菌ATCC 8739抗菌率91%
大肠杆菌ATCC 25922抗菌率90%、金黄色葡萄球菌抗菌率99%
肺炎克雷白氏菌抗菌率92%、白色念珠菌抗菌率97%



检测报告

ASH22-044958-01

发布日期: 2022年09月22日

W0: 3个对照样0 h接触时间烧瓶内的活菌浓度的平均值(CFU/mL)。

F: 对照样的试验菌增长值。

$F = \lg W_t - \lg W_0$ 。

Qt: 3个抗菌样品18 h振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。

检测对照样为100%纯棉布, 由SGS实验室提供。

样品灭菌方式为高压蒸汽灭菌(121 °C, 15 min)。

测试外层蓝色无纺布。

除非另有说明, 本报告在不考虑不确定度的情况下, 根据检测结果是否在规定限值或规格范围内做出符合性判断。

样品照片:



ASH22-044958.001

该照片只针对SGS原始报告

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检测报告

ASH22-048202-01

发布日期: 2022年10月09日

客户名称: 宁波市帕柯斯塑料科技有限公司
客户地址: 浙江省余姚市泗门镇姚北大道5号

样品名称: 全棉平纹无纺布
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: SK1N-TG-921
生产日期: 2022/09/21
目的地/国: 中国
供应商: 宁波市帕柯斯塑料科技有限公司

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SGS相关号: O-NBAFL202201671362
样品接收日期: 2022年09月26日
检测周期: 2022年09月26日 - 2022年10月09日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页

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检测报告

ASH22-048202-01

发布日期: 2022年10月09日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH22-048202.001	袋装物

检测结果:

检测要求: 对所送样品进行抗菌性试验

检测方法: GB/T 20944.2-2007 纺织品 抗菌性能的评价第2部分: 吸收法

ASH22-048202.001

检测菌种	大肠杆菌 8099
接种菌液浓度 (CFU/mL)	1.3x10 ⁵
F	3.6
Ct (CFU)	9.7x10 ⁷
C0 (CFU)	2.4x10 ⁴
Tt (CFU)	4.6x10 ⁵
抑菌值 A	2.3
抑菌率 (%)	>99
评价	符合:具有良好的抗菌效果

备注:

- 1.Ct: 3个对照样接种并培养24 h后测得的细菌数(CFU)的平均值。
- 2.C0: 3个对照样接种后立即测得的细菌数(CFU)的平均值。
- 3.F: 对照样的细菌增长值, $F = \lg Ct - \lg C0$ 。
- 4.Tt: 3个检测样接种并培养24 h后测得的细菌数(CFU)的平均值。
- 5.对照样为100%纯棉布, 由SGS实验室提供。
- 6.检测样品的灭菌方式为紫外辐照30分钟处理。
- 7.GB/T 20944.2-2007 抗菌效果的评价标准: 当抑菌值 ≥ 1 或抑菌率 $\geq 90\%$, 样品具有抗菌效果; 当抑菌值 ≥ 2 或者抑菌率 $\geq 99\%$, 样品具有良好的抗菌效果。
- 8.试验人员: 陈锴

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检测报告

ASH22-048202-01

发布日期: 2022年10月09日

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样品照片:



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检测报告

ASH22-050806-01

发布日期: 2022年10月21日

客户名称: 宁波市帕柯斯塑料科技有限公司
客户地址: 浙江省余姚市泗门镇姚北大道5号

样品名称: 全棉平纹无纺布1010
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: SK1N-TG-1010
生产日期: 2022/10/10
目的地/国: 中国
供应商: 宁波市帕柯斯塑料科技有限公司

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SGS相关号: O-NBAFL202201763153
样品接收日期: 2022年10月11日
检测周期: 2022年10月11日 - 2022年10月21日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页



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检测报告

ASH22-050806-01

发布日期: 2022年10月21日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH22-050806.001	袋装物

检测结果:

检测要求: 对所送样品进行抗菌性检测

检测方法: GB/T 20944.3-2008 纺织品 抗菌性能的评价第3部分: 振荡法

ASH22-050806.001

检测菌种	金黄色葡萄球菌 ATCC 6538
接种菌液浓度 (CFU/mL)	2.2x10 ⁴
F	2.3
Wt (CFU/mL)	3.7x10 ⁶
W0 (CFU/mL)	2.2x10 ⁴
Qt (CFU/mL)	7.3x10 ³
抑菌率 (%)	>99
GB/T 20944.3-2008 评价标准	≥70%
评价	符合

备注:

Wt: 3个对照样18 h振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。

W0: 3个对照样0 h接触时间烧瓶内的活菌浓度的平均值(CFU/mL)。

F: 对照样的试验菌增长值。

F = lgWt - lgW0。

Qt: 3个抗菌样品18 h振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。

检测对照样为100%纯棉布, 由SGS实验室提供。

样品灭菌方式为UV灭菌30 min。

除非另有说明, 本报告在不考虑不确定度的情况下, 根据检测结果是否在规定限值或规格范围内做出符合性判断。



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检测报告

ASH22-050806-01

发布日期: 2022年10月21日

样品照片:



该照片只针对SGS原始报告

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检测报告

ASH22-050806-02

发布日期: 2022年10月21日

客户名称: 宁波市帕柯斯塑料科技有限公司
客户地址: 浙江省余姚市泗门镇姚北大道5号

样品名称: 全棉平纹无纺布1010
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: SK1N-TG-1010
生产日期: 2022/10/10
目的地/国: 中国
供应商: 宁波市帕柯斯塑料科技有限公司

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SGS相关号: O-NBAFL202201763153
样品接收日期: 2022年10月11日
检测周期: 2022年10月11日 - 2022年10月21日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页



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检测报告

ASH22-050806-02

发布日期: 2022年10月21日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH22-050806.002	袋装物

检测结果:

检测要求: 安全性试验

检测方法: 1. 洗涤方法: FZ/T 73023-2006 抗菌针织品 附录C 抗菌织物试样洗涤试验方法
2. 安全性试验: GB/T 31713-2015 抗菌纺织品安全性卫生要求 附录A 抗菌物质的溶出性试验方法

ASH22-050806.002

检测菌种	金黄色葡萄球菌 ATCC 6538
培养时间(小时)	18h
抑菌圈宽度D(mm)	0
抗菌物质溶出性	非溶出性

备注:

1. 检测样品根据FZ/T 73023-2006 抗菌针织品 附录C.3 标准化洗涤条件及程序进行1次洗涤。
2. GB/T 31713-2015 抗菌纺织品安全性卫生要求 附录A 抗菌物质的溶出性试验方法抗菌物质溶出性结果的判定:
抑菌圈宽度D: D≤1 mm 为非溶出性; 1 mm < D ≤5 mm 为微溶出性; 5 mm < D ≤10 mm 为中度溶出性; D >10 mm 为高溶出性。
3. 样品灭菌方式为UV灭菌30 min。



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检测报告

ASH22-050806-02

发布日期: 2022年10月21日

样品照片:



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Test report n° 2300006/01

CHIMICAMBIENTE S.R.L.
VIA LEONARDO DA VINCI, 2
35042 - ESTE (PD) - IT

Test information	
MATERIAL	Fabric
ITEM	Treated sample: 23RP02429 Untreated sample: 23RP02429 not treated Additive/treatment: not specified 
METHOD	ISO 18184:2019 "Textiles – Determination of antiviral activity of textile products"
Date of receipt	29.03.2023
Samples	• Treated sample: 20 x 20 mm; • Untreated sample: 20 x 20 mm; • Volume of test inoculum: 200 uL.
Conservation	Room temperature
Test temperature	25°C ± 1°C
Incubation temperature	37°C ± 1°C
Viral strain	SARS-CoV-2_COV2019 ITALY/INMI1
Permissive host cell line	VERO E6
Contact time	2H-24H





Test report n° 2300006/01

Page 2 of 3

Calculation of antiviral activity

Antiviral activity is calculated with the following formula:

$$M_v = \lg(V_a) - \lg(V_c)$$

where

M_v is the evaluation of antiviral activity

$\lg(V_a)$ logarithm of the mean of TCID₅₀ of the three replicates at time T0 detected on the control

$\lg(V_c)$ logarithm of the mean of TCID₅₀ of the three replicates at time T detected on the treated sample

Log TCID₅₀ inoculum: 6.13

Control test				
	Average Log TCID ₅₀ /mL	Test valid if	Results	
Untreated sample	3.79	(Lg TCID ₅₀ Untreated – Lg TCID ₅₀ Treated) < 0.5	0.25	Valid
Treated sample	3.54			

Test results

	Time	Average Log TCID ₅₀ /mL Lg (V _a)	M	Test valid if
Untreated sample	T0	4.17 lg (V _a)	n/a	n/a
	T2	3.21	0.96	M<1.0
	T24	1.50	2.67	M<1.0





Test report n° 2300006/01

Page 3 of 3

	Time	Average Log TCID ₅₀ /mL Lg (V _c)	M _v	% reduction versus T0
Treated sample	T2	2.96	1.21	93.83%
	T24	1.50	2.67	99.79%

Antiviral efficacy	
$3.0 > M_v \geq 2.0$	Good effect
$M_v \geq 3.0$	Excellent effect

This Test Report refers only to the sample tested; the name and description of the sample are declared by the Customer.
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* Test in service (same Group).

Prato, 09 May 2023

End of test Report

The Responsible,

 Giovanni
Micheli
09.05.2023
11:13:04
GMT+00:00

Vismederi Textyle S.r.l.
Via Natale Ciampi, 5 - 59100 Prato (Italia) P.IVA: 02475990970
Phone: +39 3392017790 fax: +39 0574 465779
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CNAS L4305

检测报告

NBF23-002688-01

发布日期: 2023年05月29日

客户名称: 宁波市帕柯斯塑料科技有限公司
客户地址: 浙江省余姚市泗门镇姚北大道5号

样品名称: ES纤维测试板
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: MY-0522
生产日期: 2023/5/22
目的地/国: 中国
供应商: 宁波市帕柯斯塑料科技有限公司

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样品接收日期: 2023年05月23日
检测周期: 2023年05月23日 - 2023年05月29日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页



于佳勇

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NBF23-002688-01

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检测报告

NBF23-002688-01

发布日期: 2023年05月29日

检测样品描述:

样品编号	SGS样品ID	描述
1	NBF23-002688.001	袋装物

检测结果:

检测要求: 抗菌效果实验

检测方法: ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

NBF23-002688.001

	白色念珠菌 ATCC 10231
接种菌液浓度 (cells/mL)	5.8×10^5
接种菌液量 (mL)	0.4
U_0	4.15
U_t	5.42
A_t	2.60
B (cells/cm ²)	2.7×10^5
C (cells/cm ²)	4.0×10^2
抗菌活性值R	2.8
*抗菌率 (%)	99.9

备注:

1. 未处理对照样为无抗菌性能塑料膜, 由SGS实验室提供。
2. U_0 : 未处理对照样在0 h接触时间洗脱后获得的细菌数(cells/cm²)的对数值。
3. U_t : 未处理对照样在24 h接触时间洗脱后获得的细菌数(cells/cm²)的对数值。
4. A_t : 样品在24 h接触时间洗脱后获得的细菌数(cells/cm²)的对数值。
5. R: 抗菌活性值, $R=U_t-A_t$ 。
6. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$;
7. B: 未处理对照样接种后24 h的菌数的平均值(cells/cm²);
8. C: 样品接种后24 h的菌数的平均值(cells/cm²)。
9. 检测前样品经紫外辐照30分钟处理。



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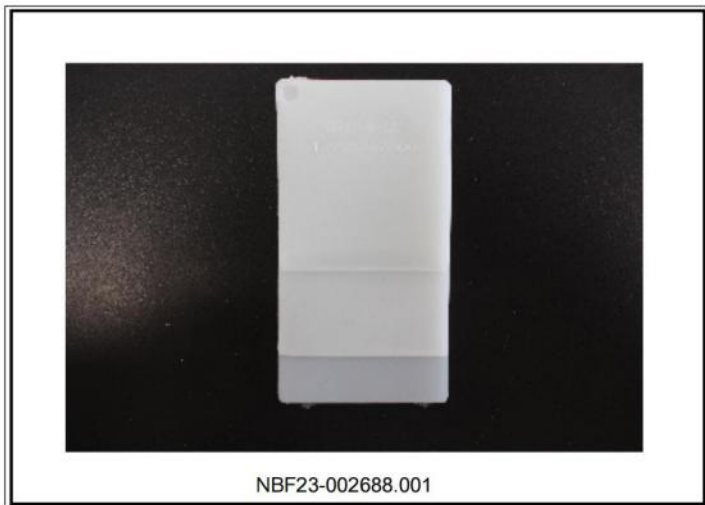
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检测报告

NBF23-002688-01

发布日期: 2023年05月29日

样品照片:



该照片只针对SGS原始报告

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检测报告

报告编号: **ASH22-050059-02**

发布日期: **2022-11-16**

客户名称: 湖北省依娅防护用品有限公司
客户地址: 湖北省仙桃市西流河镇合丰村沔东大道
样品名称: 抗菌平面口罩
样品批号: /
生产日期: /
生产商: 湖北省依娅防护用品有限公司

以上样品及信息由客户提供及确认, SGS 不承担证实客户提供信息的准确性、适当性和(或)完整性责任。

样品接收日期: 2022 年 09 月 30 日
检测周期: 2022 年 09 月 30 日 - 2022 年 11 月 15 日
检测要求: 根据客户要求进行检测
检测方法: ISO 18184: 2019(E)纺织品一抗病毒活性测定 TCID₅₀ 法
检测结果: 请参见下一页



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第 1 页 共 3 页



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检测报告

报告编号: ASH22-050059-02

发布日期: 2022-11-16

检测样品描述:

样品编号	SGS 样品 ID	描述
1	ASH22-050059.001	袋装样品

检测结果:

实验病毒及宿主	实验 序号	对照样接种孵育 0h 后病毒滴度	对照样接种孵育 2h 后病毒滴度	测试样接种孵育 2h 后病毒滴度
*脊髓灰质炎病毒- 1 型疫苗株 宿主名称: Vero 细胞	1	6.91	6.69	5.69
	2	6.71	6.65	5.63
	3	6.80	6.59	5.53
平均病毒滴度的对数值对数值 (LgTCID ₅₀ /瓶)		6.81	6.64	5.62
抗病毒活性值			1.19	
抗病毒活性率 (%)			93.59	



备注:

- 1, 样品测试部位: 口罩外层蓝色布料
- 2, *检测项目由广东省微生物分析检测中心执行

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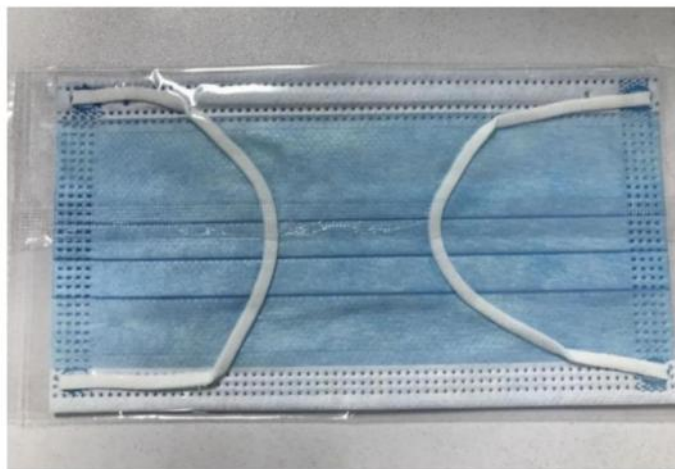
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检测报告

报告编号: ASH22-050059-02

发布日期: 2022-11-16

样品照片:



ASH22-050059.001

该照片只针对 SGS 原始报告

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TESTING
CNAS L4305

检测报告

NBF23-0011035-01

发布日期: 2023-09-28

客户名称: 宁波市帕柯斯塑料科技有限公司
客户地址: 浙江省余姚市泗门镇姚北大道5号

样品名称: ES纤维造粒5%
样品批号: PARX-5%
生产日期: 2023/09/11
生产商: 宁波市帕柯斯塑料科技有限公司
供应商: 宁波市帕柯斯塑料科技有限公司
目的地: 中国

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样品接收日期: 2023-09-20
检测周期: 2023-09-20 ~ 2023-09-28
检测方法: 请参见下一页。
检测结果: 请参见下一页。



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检测报告

NBF23-0011035-01

发布日期: 2023-09-28

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	NBF23-0011035-0001	袋装物

检测结果:

检测要求: 根据申请者的要求: 抗菌效果实验

检测方法: ASTM E 2149-2020 在动态接触条件下抗菌剂抗菌活性测定的标准试验方法

NBF23-0011035-0001

检测菌种 大肠杆菌 ATCC 25922

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (1g)	-	8.5×10^4
只接种对照样	1.8×10^5	2.0×10^6
细菌减少率 %	-	96

检测菌种 金黄色葡萄球菌 ATCC 6538

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (1g)	-	2.8×10^4
只接种对照样	2.0×10^5	2.5×10^6
细菌减少率 %	-	99

备注:

细菌减少率的计算采用了只接种对照的数据。

检测前样品经紫外辐照 30 分钟处理。



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检测报告

NBF23-0011035-01

发布日期: 2023-09-28

样品照片:



NBF23-0011035-0001

此照片仅限于随 SGS 正本报告使用

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样品: 35g水刺布
结果: 大肠杆菌抗菌率 > 99%
金黄色葡萄球菌抗菌率 > 99%
白色念珠菌抗菌率 > 99%

福建省纤维检验中心
Fujian Fiber Inspection Center
国家纺织服装产品质量监督检验中心(福建)
National Textile And Garment Quality Supervision Testing Center(Fujian)



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检测报告 (电子版)



防伪码: EP421669361

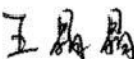
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	样 品	35g水刺布	商标	---
	货/款/样号	---		
	规格号型	---	安全类别/ 等级	--- / ---
	生产单位	福建省南平卫安材料有限公司		
样品描述	1块米黄色无纺布, 状态正常			
样品接收/ 试验日期	2023-11-22/2023-11-27 ~ 2023-12-05		检验类别	委托检验 (送样)
判定依据	GB/T 20944.3-2008 纺织品 抗菌性能的评价 第3部分: 振荡法			
检验结论	---			
报告签发日期: 2023年12月6日				
检验结果	检测项目		单项结论或评价	
	抗菌性能 (白色念珠菌)		符合	
	抗菌性能 (大肠杆菌)		符合	
	抗菌性能 (金黄色葡萄球菌)		符合	
备注	---			



检测地点: 福州市照屿路17号

审批: 
薛建平 高级工程师

编制: 

福州总部地址: 福州市仓山区照屿路17号
晋江实验室地址: 晋江市洪山路236号明丰大厦3楼

电话: 0591-83710801/87887663/87893952/83598339
电话: 0595-88123970/82682768

检测报告续页

W23069490

第 2 页 共 2 页

检测项目	测试方法	标准值及允差	检测结果	单项判定
抗菌性能(白色念珠菌), %	GB/T 20944.3-2008	≥60	>99	符合
抗菌性能(大肠杆菌), %	GB/T 20944.3-2008	≥70	>99	符合
抗菌性能(金黄色葡萄球菌), %	GB/T 20944.3-2008	≥70	>99	符合

注: 该样品洗前对金黄色葡萄球菌、大肠杆菌、白色念珠菌具有抗菌效果。

报告正文结束





检测报告

NBF24-0006996-01

发布日期：2024-05-14

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市泗门镇姚北大道 5 号

样品名称：PE 纤维
样品批号：PARX-ZX08P04
生产日期：2024/05/01
生产商：宁波市帕柯斯塑料科技有限公司
供应商：宁波市帕柯斯塑料科技有限公司
目的地：中国

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样品接收日期：2024-05-07
检测周期：2024-05-07 ~ 2024-05-14
检测方法：请参见下一页。
检测结果：请参见下一页。



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检测报告

NBF24-0006996-01

发布日期: 2024-05-14

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	NBF24-0006996-0001	袋装物

检测结果:

检测要求: 根据申请者的要求: 抑菌效果实验

检测方法: GB 15979-2002 一次性使用卫生用品卫生标准 附录 C5 非溶出性抗(抑)菌产品抑菌性能试验方法

NBF24-0006996-0001

检测菌种 白色念珠菌 ATCC 10231

	试验重复 1	试验重复 2	试验重复 3
被试样片组-0 小时 (CFU/mL)	1.7×10^4	1.9×10^4	2.1×10^4
对照样片组-0 小时 (CFU/mL)	3.5×10^4	3.7×10^4	3.9×10^4
不加样片组-0 小时 (CFU/mL)	3.1×10^4	3.3×10^4	3.5×10^4
被试样片组-1 小时 (CFU/mL)	1.1×10^4	1.3×10^4	1.5×10^4
对照样片组-1 小时 (CFU/mL)	3.7×10^4	3.9×10^4	4.1×10^4
不加样片组-1 小时 (CFU/mL)	3.3×10^4	3.5×10^4	3.7×10^4
抑菌率 (%) - 被试样片组	35	32	29
抑菌率 (%) - 对照样片组	0	0	0
*抑菌率差值 (%)	35	32	29
评价	产品具有抗菌作用		

备注:

对照样: 100%纯棉布, 由 SGS 实验室提供。

*抑菌率差值 (%) = 被试样品组抑菌率 (%) - 对照片抑菌率 (%)。

GB 15979-2002 附录 C5 非溶出性抗(抑)菌产品抑菌性能试验评价标准: 被试样片组抑菌率与对照样片组抑菌率的差值 > 26%, 产品具有抗菌作用。



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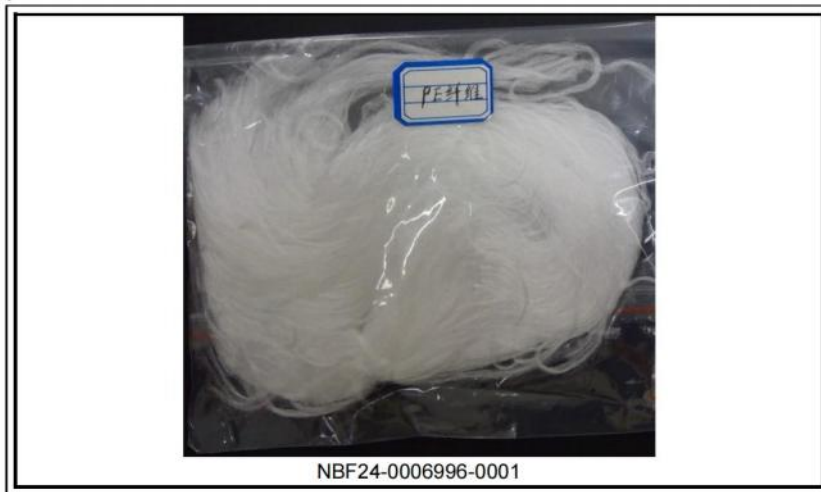
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检测报告

NBF24-0006996-01

发布日期: 2024-05-14

样品照片:



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检测报告

NBF24-0006995-01

发布日期: 2024-05-14

客户名称: 宁波市帕柯斯塑料科技有限公司
客户地址: 浙江省余姚市泗门镇姚北大道 5 号

样品名称: RPET 无纺布
样品批号: PARX-ZX08P04
生产日期: 2024/05/01
生产商: 宁波市帕柯斯塑料科技有限公司
供应商: 宁波市帕柯斯塑料科技有限公司
目的地: 中国

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检测报告

NBF24-0006995-01

发布日期: 2024-05-14

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	NBF24-0006995-0001	袋装物

检测结果:

检测要求: 根据申请者的要求: 抗菌效果实验

检测方法: GB/T 20944.3-2008 纺织品 抗菌性能的评价第 3 部分: 振荡法

NBF24-0006995-0001

检测菌种	金黄色葡萄球菌 ATCC 6538
接种菌液浓度 (CFU/mL)	2.0×10^4
F	2.0
W_t (CFU/mL)	1.9×10^6
W_0 (CFU/mL)	2.1×10^4
Q_t (CFU/mL)	2.4×10^2
抑菌率 (%)	>99
抗菌效果的评价标准 (抑菌率 (%))	≥ 70
评价	符合, 有抗菌效果

备注:

1. W_t : 3 个对照样 18 h 振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。
2. W_0 : 3 个对照样 0 h 接触时间烧瓶内的活菌浓度的平均值(CFU/mL)。
3. F: 对照样的试验菌增长值: $F = \lg W_t - \lg W_0$ 。
4. Q_t : 3 个抗菌样品 18 h 振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。
5. 检测对照样为 100%纯棉布, 由 SGS 实验室提供。
6. 样品灭菌方式为 UV 灭菌 30 min。
7. 试验人员: 王朝芹。



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检测报告

NBF24-0006995-01

发布日期: 2024-05-14

样品照片:



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检测报告

NBF24-0008803-01

发布日期：2024-05-31

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市泗门镇姚北大道 5 号

样品名称：皮革
样品批号：/
生产日期：2024/05/08
生产商：宁波市帕柯斯塑料科技有限公司
供应商：宁波市帕柯斯塑料科技有限公司
目的地：中国

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样品接收日期：2024-05-23
检测周期：2024-05-23 ~ 2024-05-31
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检测结果：请参见下一页。



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检测报告

NBF24-0008803-01

发布日期：2024-05-31

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF24-0008803-0001	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

NBF24-0008803-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	7.0×10^5
接种菌液量 (mL)	0.4
U_0	4.21
U_t	6.01
A_t	-0.20
B (CFU/cm ²)	1.0×10^6
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.2
*抗菌率 (%)	>99.9

备注：

1. 未处理对照样为无抗菌性能塑料膜，由 SGS 实验室提供。
2. U_0 ：未处理对照样在 0 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
3. U_t ：未处理对照样在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
4. A_t ：样品在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
5. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$ ；
B：未处理对照样接种后 24 h 的菌数的平均值(CFU/cm²)；
C：样品接种后 24 h 的菌数的平均值(CFU/cm²)。
6. 样品前处理：检测前样品经紫外辐照 30 分钟处理。



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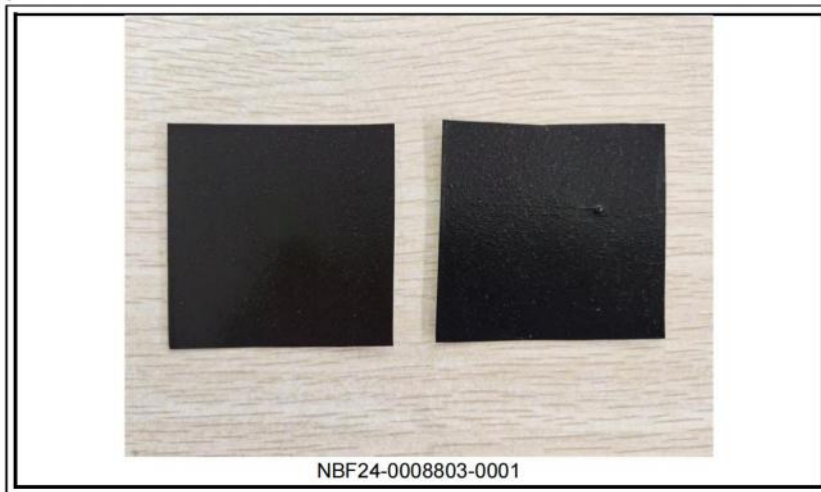
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NBF24-0008803-01

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NBF24-0010742-01

发布日期：2024-06-28

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市泗门镇姚北大道 5 号

样品名称：粉 2-莱赛尔纤维测试膜
样品批号：ZXJM83602
生产日期：2024/06/17
生产商：宁波市帕柯斯塑料科技有限公司
供应商：宁波市帕柯斯塑料科技有限公司
目的地：中国

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检测报告

NBF24-0010742-01

发布日期：2024-06-28

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF24-0010742-0001	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

NBF24-0010742-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	4.5×10^5
接种菌液量 (mL)	0.2
U_0	4.27
U_t	6.64
A_t	2.50
B (CFU/cm ²)	4.4×10^6
C (CFU/cm ²)	3.2×10^2
抗菌活性值 R	4.1
*抗菌率 (%)	>99.9

检测菌种	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (CFU/mL)	4.0×10^5
接种菌液量 (mL)	0.2
U_0	4.21
U_t	6.42
A_t	2.21
B (CFU/cm ²)	2.6×10^6
C (CFU/cm ²)	1.6×10^2
抗菌活性值 R	4.2
*抗菌率 (%)	>99.9



备注：

1. 未处理对照样为无抗菌性能塑料膜，由 SGS 实验室提供。
2. U_0 ：未处理对照样在 0 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
3. U_t ：未处理对照样在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
4. A_t ：样品在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
5. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$ ：
B：未处理对照样接种后 24 h 的菌数的平均值(CFU/cm²)；
C：样品接种后 24 h 的菌数的平均值(CFU/cm²)。
6. 样品前处理：检测前样品经紫外辐照 30 分钟处理。

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Ningbo Branch, Agricultural Service Laboratory

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检测报告

NBF24-0010742-01

发布日期：2024-06-28

样品照片：



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检测报告

NBF24-0010729-01

发布日期：2024-06-28

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市泗门镇姚北大道5号

样品名称：粉 4-莱赛尔纤维测试膜
样品批号：ZXJM83604
生产日期：2024/06/17
生产商：宁波市帕柯斯塑料科技有限公司
供应商：宁波市帕柯斯塑料科技有限公司
目的地：中国

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样品接收日期：2024-06-20
检测周期：2024-06-20 ~ 2024-06-28
检测方法：请参见下一页。
检测结果：请参见下一页。



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检测报告

NBF24-0010729-01

发布日期：2024-06-28

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF24-0010729-0001	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

NBF24-0010729-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	4.5×10^5
接种菌液量 (mL)	0.2
U_0	4.27
U_t	6.64
A_t	2.64
B (CFU/cm ²)	4.4×10^6
C (CFU/cm ²)	4.4×10^2
抗菌活性值 R	4.0
*抗菌率 (%)	>99.9

检测菌种	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (CFU/mL)	4.0×10^5
接种菌液量 (mL)	0.2
U_0	4.21
U_t	6.42
A_t	2.33
B (CFU/cm ²)	2.6×10^6
C (CFU/cm ²)	2.2×10^2
抗菌活性值 R	4.1
*抗菌率 (%)	>99.9



备注：

- 未处理对照样为无抗菌性能塑料膜，由 SGS 实验室提供。
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- U_t ：未处理对照样在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
- A_t ：样品在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
- *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$ ：
B：未处理对照样接种后 24 h 的菌数的平均值(CFU/cm²)；
C：样品接种后 24 h 的菌数的平均值(CFU/cm²)。
- 样品前处理：检测前样品经紫外辐照 30 分钟处理。

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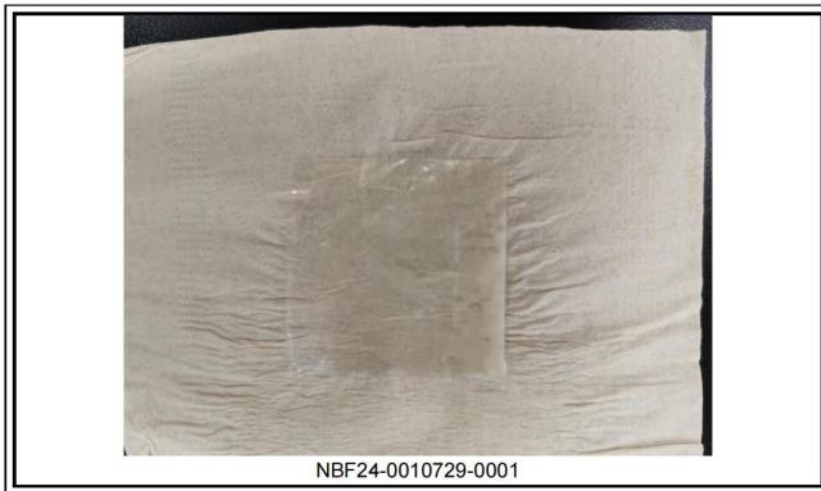


检测报告

NBF24-0010729-01

发布日期：2024-06-28

样品照片：



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CNAS L4305

检测报告

NBF24-0010744-01

发布日期：2024-06-28

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市泗门镇姚北大道 5 号

样品名称：液 2-莱赛尔纤维测试膜
样品批号：YXJM83602
生产日期：2024/06/16
生产商：宁波市帕柯斯塑料科技有限公司
供应商：宁波市帕柯斯塑料科技有限公司
目的地：中国

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样品接收日期：2024-06-20
检测周期：2024-06-20 ~ 2024-06-28
检测方法：请参见下一页。
检测结果：请参见下一页。



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检测报告

NBF24-0010744-01

发布日期：2024-06-28

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF24-0010744-0001	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

NBF24-0010744-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	4.5×10^5
接种菌液量 (mL)	0.2
U_0	4.27
U_t	6.64
A_t	2.62
B (CFU/cm ²)	4.4×10^6
C (CFU/cm ²)	4.2×10^2
抗菌活性值 R	4.0
*抗菌率 (%)	>99.9

检测菌种	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (CFU/mL)	4.0×10^5
接种菌液量 (mL)	0.2
U_0	4.21
U_t	6.42
A_t	2.38
B (CFU/cm ²)	2.6×10^6
C (CFU/cm ²)	2.4×10^2
抗菌活性值 R	4.0
*抗菌率 (%)	>99.9



备注：

1. 未处理对照样为无抗菌性能塑料膜，由 SGS 实验室提供。
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3. U_t ：未处理对照样在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
4. A_t ：样品在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
5. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$ ：
B：未处理对照样接种后 24 h 的菌数的平均值(CFU/cm²)；
C：样品接种后 24 h 的菌数的平均值(CFU/cm²)。
6. 样品前处理：检测前样品经紫外辐照 30 分钟处理。

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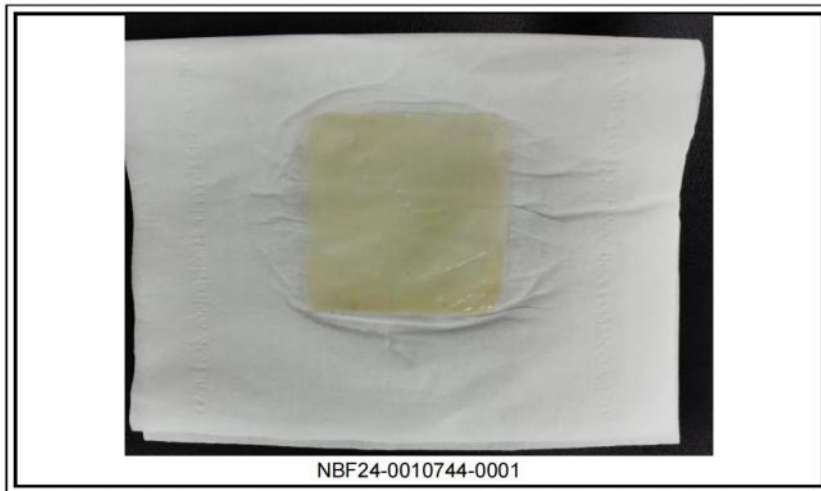
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检测报告

NBF24-0010744-01

发布日期：2024-06-28

样品照片：



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检测报告

NBF24-0010743-01

发布日期：2024-06-28

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市泗门镇姚北大道 5 号

样品名称：液 4-莱赛尔纤维测试膜
样品批号：YXJM83604
生产日期：2024/06/16
生产商：宁波市帕柯斯塑料科技有限公司
供应商：宁波市帕柯斯塑料科技有限公司
目的地：中国

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检测结果：请参见下一页。



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检测报告

NBF24-0010743-01

发布日期：2024-06-28

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF24-0010743-0001	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

NBF24-0010743-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	4.5×10^5
接种菌液量 (mL)	0.2
U_0	4.27
U_t	6.64
A_t	1.93
B (CFU/cm ²)	4.4×10^6
C (CFU/cm ²)	86
抗菌活性值 R	4.7
*抗菌率 (%)	>99.9

检测菌种	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (CFU/mL)	4.0×10^5
接种菌液量 (mL)	0.2
U_0	4.21
U_t	6.42
A_t	0.40
B (CFU/cm ²)	2.6×10^6
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.0
*抗菌率 (%)	>99.9



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3. U_t ：未处理对照样在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
4. A_t ：样品在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
5. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$ ：
B：未处理对照样接种后 24 h 的菌数的平均值(CFU/cm²)；
C：样品接种后 24 h 的菌数的平均值(CFU/cm²)。
6. 样品前处理：检测前样品经紫外辐照 30 分钟处理。

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检测报告

NBF24-0010743-01

发布日期：2024-06-28

样品照片：



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检测报告

NBF24-0011088-01

发布日期：2024-07-02

客户名称： 厦门帕柯斯科技有限公司
客户地址： 厦门市思明区东明路 12 号 3003 室之二 361004

样品名称： 安安皮革 C 款
样品批号： /
生产日期： /
生产商： /

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样品接收日期： 2024-06-24
检测周期： 2024-06-24 ~ 2024-07-02
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检测结果： 请参见下一页。



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检测报告

NBF24-0011088-01

发布日期：2024-07-02

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF24-0011088-0001	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

NBF24-0011088-0001

检测菌种	白色念珠菌 ATCC 10231
接种菌液浓度 (CFU/mL)	4.5×10^5
接种菌液量 (mL)	0.4
U_0	4.00
U_t	5.99
A_t	1.89
B (CFU/cm ²)	9.7×10^5
C (CFU/cm ²)	78
抗菌活性值 R	4.1
*抗菌率 (%)	99.99

检测菌种	肺炎克雷伯氏菌 ATCC 4352
接种菌液浓度 (CFU/mL)	4.3×10^5
接种菌液量 (mL)	0.4
U_0	3.99
U_t	6.08
A_t	1.68
B (CFU/cm ²)	1.2×10^6
C (CFU/cm ²)	48
抗菌活性值 R	4.4
*抗菌率 (%)	>99.99



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3. U_t ：未处理对照样在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
4. A_t ：样品在 24 h 接触时间洗脱后获得的细菌数(CFU/cm²)的对数值。
5. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$ ：
B：未处理对照样接种后 24 h 的菌数的平均值(CFU/cm²)；
C：样品接种后 24 h 的菌数的平均值(CFU/cm²)。
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发布日期：2024-07-02

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检测报告

ASH24-0041171-01

发布日期: 2024-07-02

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客户地址: 浙江省余姚市泗门镇姚北大道 5 号

样品名称: PET 有色纤维丝
样品批号: 4.0%RB34085+3.0%RB30404
生产日期: 2024/06/14
生产商: 宁波市帕柯斯塑料科技有限公司
供应商: 宁波市帕柯斯塑料科技有限公司
目的地: 中国

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发布日期: 2024-07-02

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	ASH24-0041171-0001	瓶装样品

检测结果:

检测要求: 根据申请者的要求: 防霉性能实验

检测方法: AATCC 30-2017e 抗真菌活性 纺织材料的评估: 纺织材料的防霉和耐腐蚀性-方法 III: 黑曲霉平板法

ASH24-0041171-0001

检测菌种	黑曲霉 ATCC 6275
菌液浓度 (CFU/mL)	1.0×10^6
检测样品表面霉菌生长级别	不生长
对照样品表面霉菌生长级别	肉眼可见的生长 (肉眼可见)

备注:

培养时间: 7 天

对照样为灭菌滤纸, 由 SGS 实验室提供。

检测前样品经紫外辐照 30 分钟处理。



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检测报告

ASH24-0041171-01

发布日期: 2024-07-02

样品照片:



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检测报告

ASH24-0052305-01

发布日期：2024-09-02

客户名称：江苏金荣泰新材料科技有限公司
客户地址：江苏省徐州市沛县经济开发区沛公路 21 号

样品名称：液 0.8%-纤维素测试膜
样品批号：液 0.8%
生产日期：2024.7.18
生产商：江苏 金荣泰

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样品接收日期：2024-07-29
检测周期：2024-07-29 ~ 2024-09-02
检测方法：请参见下一页。
检测结果：请参见下一页。



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检测报告

ASH24-0052305-01

发布日期：2024-09-02

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	ASH24-0052305-0001	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ASTM E 2149-2020 在动态接触条件下抗菌剂抗菌活性测定的标准试验方法

ASH24-0052305-0001

检测菌种 大肠杆菌 ATCC 25922

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	6.0×10^4
只接种对照样	2.1×10^5	1.7×10^6
细菌减少率 %	-	96

检测菌种 金黄色葡萄球菌 ATCC 6538

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	4.2×10^3
只接种对照样	1.7×10^5	4.3×10^5
细菌减少率 %	-	99

备注：

细菌减少率的计算采用了只接种对照的数据。

样品前处理：酒精冲洗



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检测报告

ASH24-0052305-02

发布日期：2024-09-02

客户名称：江苏金荣泰新材料科技有限公司
客户地址：江苏省徐州市沛县经济开发区沛公路 21 号

样品名称：液 1.0%-纤维素测试膜
样品批号：液 1.0%
生产日期：2024.7.18
生产商：江苏 金荣泰

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检测结果：请参见下一页。



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ASH24-0052305-02

发布日期：2024-09-02

检测样品描述：

样品编号	SGS 样品 ID	样品描述
2	ASH24-0052305-0002	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ASTM E 2149-2020 在动态接触条件下抗菌剂抗菌活性测定的标准试验方法

ASH24-0052305-0002

检测菌种 大肠杆菌 ATCC 25922

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	1.5×10^4
只接种对照样	2.1×10^5	1.7×10^6
细菌减少率 %	-	99

检测菌种 金黄色葡萄球菌 ATCC 6538

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	3.6×10^3
只接种对照样	1.7×10^5	4.3×10^5
细菌减少率 %	-	99

备注：

细菌减少率的计算采用了只接种对照的数据。

样品前处理：酒精冲洗



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检测报告

ASH24-0052305-05

发布日期：2024-09-02

客户名称：江苏金荣泰新材料科技有限公司
客户地址：江苏省徐州市沛县经济开发区沛公路 21 号

样品名称：粉 1.0%-纤维素测试膜
样品批号：粉 1.0%
生产日期：2024.7.18
生产商：江苏 金荣泰

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检测报告

ASH24-0052305-05

发布日期：2024-09-02

检测样品描述：

样品编号	SGS 样品 ID	样品描述
5	ASH24-0052305-0005	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ASTM E 2149-2020 在动态接触条件下抗菌剂抗菌活性测定的标准试验方法

ASH24-0052305-0005

检测菌种 大肠杆菌 ATCC 25922

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	2.1×10^3
只接种对照样	2.1×10^5	1.7×10^6
细菌减少率 %	-	>99

检测菌种 金黄色葡萄球菌 ATCC 6538

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	1.6×10^3
只接种对照样	1.7×10^5	4.3×10^5
细菌减少率 %	-	>99

备注：

细菌减少率的计算采用了只接种对照的数据。

样品前处理：酒精冲洗



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检测报告

ASH24-0052305-03

发布日期：2024-09-02

客户名称：江苏金荣泰新材料科技有限公司
客户地址：江苏省徐州市沛县经济开发区沛公路 21 号

样品名称：液 1.2%-纤维素测试膜
样品批号：液 1.2%
生产日期：2024.7.18
生产商：江苏 金荣泰

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样品接收日期：2024-07-29
检测周期：2024-07-29 ~ 2024-09-02
检测方法：请参见下一页。
检测结果：请参见下一页。



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检测报告

ASH24-0052305-03

发布日期：2024-09-02

检测样品描述：

样品编号	SGS 样品 ID	样品描述
3	ASH24-0052305-0003	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ASTM E 2149-2020 在动态接触条件下抗菌剂抗菌活性测定的标准试验方法

ASH24-0052305-0003

检测菌种 大肠杆菌 ATCC 25922

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	5.4×10^3
只接种对照样	2.1×10^5	1.7×10^6
细菌减少率 %	-	>99

检测菌种 金黄色葡萄球菌 ATCC 6538

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	3.3×10^3
只接种对照样	1.7×10^5	4.3×10^5
细菌减少率 %	-	99

备注：

细菌减少率的计算采用了只接种对照的数据。

样品前处理：酒精冲洗



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ASH24-0052305-04

发布日期：2024-09-02

客户名称：江苏金荣泰新材料科技有限公司
客户地址：江苏省徐州市沛县经济开发区沛公路 21 号

样品名称：液 1.5%-纤维素测试膜
样品批号：液 1.5%
生产日期：2024.7.18
生产商：江苏 金荣泰

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检测方法：请参见下一页。
检测结果：请参见下一页。



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ASH24-0052305-04

发布日期：2024-09-02

检测样品描述：

样品编号	SGS 样品 ID	样品描述
4	ASH24-0052305-0004	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：ASTM E 2149-2020 在动态接触条件下抗菌剂抗菌活性测定的标准试验方法

ASH24-0052305-0004

检测菌种 大肠杆菌 ATCC 25922

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	<30
只接种对照样	2.1×10^5	1.7×10^6
细菌减少率 %	-	>99

检测菌种 金黄色葡萄球菌 ATCC 6538

	"0 小时"接触时间获得的细菌数(CFU/mL)	"24 小时"接触时间获得的细菌数(CFU/mL)
样品 (2g)	-	1.3×10^3
只接种对照样	1.7×10^5	4.3×10^5
细菌减少率 %	-	>99

备注：

细菌减少率的计算采用了只接种对照的数据。

样品前处理：酒精冲洗



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检测报告

报告编号: SHCPCH24010131-01_CN

报告日期: 2024-12-27

客户名称: 福建闽瑞新合纤股份有限公司
客户地址: 福建省南平市松溪县河东经济开发区
样品名称: 抑菌布样 (条件 1)
生产日期/批号: T241105
生产商: 福建闽瑞新合纤股份有限公司
颜色和物态: 白色无纺布
样品获取方式: 客户快递寄送

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SGS 样品 ID: SHCPCH24010131-001
SGS 工作号: SHCPCH24010131-01
SGS 参考号: QDCPCH24000794-001/ ASH24-0090565
样品接收日期: 2024-12-16
样品测试时间: 2024-12-16~2024-12-24

测试要求 (根据申请者要求)、检测方法、测试结果:
请见下页

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RAND: 8044418



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检测报告 报告编号: SHCPCH24010131-01_CN 报告日期: 2024-12-27

测试结果如下:

测试要求:

根据申请者的要求:

对所提交的样品进行抑菌性能测试

测试方法:

GB 15979-2002 一次性使用卫生用品卫生标准 附录 C5 非溶出性抗(抑)菌产品抑菌性能试验方法

测试菌种:

金黄色葡萄球菌 ATCC 6538, 大肠杆菌 ATCC 25922, 白色念珠菌 ATCC 10231

测试结果:

抑菌率试验

试验菌种	试验重复次数	测试分组	样品振荡前 (0 小时) 平均菌落数 (cfu/mL)	样品振荡后 (1 小时) 平均菌落数 (cfu/mL)	抑菌率 (%)	抑菌率差值 (%)
金黄色葡萄球菌 ATCC 6538	1	被试样片组	1.7x10 ⁴	< 2	>99	>99
		对对照样片组	3.1x10 ⁴	3.7x10 ⁴	0	
		不加样片组	2.9x10 ⁴	3.3x10 ⁴	\	
	2	被试样片组	1.9x10 ⁴	< 2	>99	>99
		对对照样片组	3.4x10 ⁴	4.0x10 ⁴	0	
		不加样片组	3.1x10 ⁴	3.6x10 ⁴	\	
	3	被试样片组	2.0x10 ⁴	< 2	>99	>99
		对对照样片组	3.5x10 ⁴	4.1x10 ⁴	0	
		不加样片组	3.2x10 ⁴	3.7x10 ⁴	\	
大肠杆菌 ATCC 25922	1	被试样片组	2.1x10 ⁴	< 2	>99	>99
		对对照样片组	3.7x10 ⁴	3.9x10 ⁴	0	
		不加样片组	3.3x10 ⁴	3.5x10 ⁴	\	
	2	被试样片组	2.3x10 ⁴	< 2	>99	>99
		对对照样片组	3.9x10 ⁴	4.1x10 ⁴	0	
		不加样片组	3.5x10 ⁴	3.7x10 ⁴	\	
	3	被试样片组	2.5x10 ⁴	< 2	>99	>99
		对对照样片组	4.1x10 ⁴	4.3x10 ⁴	0	
		不加样片组	3.7x10 ⁴	3.9x10 ⁴	\	
白色念珠菌 ATCC 10231	1	被试样片组	1.2x10 ⁴	1.6x10 ²	99	99
		对对照样片组	2.9x10 ⁴	3.3x10 ⁴	0	
		不加样片组	2.7x10 ⁴	3.0x10 ⁴	\	

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RAND: 8044418



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检测报告 报告编号: SHCPCH24010131-01_CN 报告日期: 2024-12-27

	2	被试样片组	1.5x10 ⁴	1.9x10 ²	99	99
		对试样片组	3.1x10 ⁴	3.5x10 ⁴	0	
		不加试样片组	2.9x10 ⁴	3.1x10 ⁴	\	
	3	被试样片组	1.6x10 ⁴	2.1x10 ²	99	99
		对试样片组	3.3x10 ⁴	3.7x10 ⁴	0	
		不加试样片组	3.1x10 ⁴	3.3x10 ⁴	\	

备注:
对照样: 100%纯棉布, 由 SGS 实验室提供。

样品描述: 袋装物



样品照片

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。

*****报告结束*****





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检测报告

NBF25-0003432-02

发布日期：2025-03-11

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市朗霞街道杨家村创业北路 10 号三楼

样品名称：染色莱赛尔纱线
样品批号：19C185/32S
生产日期：2025/02/27
生产商：宁波市帕柯斯塑料科技有限公司
目的地：中国
代理商：宁波市帕柯斯塑料科技有限公司

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样品接收日期：2025-03-03
检测周期：2025-03-03 ~ 2025-03-11
检测方法：请参见下一页。
检测结果：请参见下一页。



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检测报告

NBF25-0003432-02

发布日期：2025-03-11

检测样品描述：

样品编号	SGS 样品 ID	样品描述
2	NBF25-0003432-0002	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：GB/T 20944.3-2008 纺织品 抗菌性能的评价第 3 部分：振荡法

NBF25-0003432-0002

检测菌种	大肠杆菌 8099
接种菌液浓度 (CFU/mL)	2.1×10^4
F	2.3
W_t (CFU/mL)	5.4×10^6
W_0 (CFU/mL)	2.4×10^4
Q_t (CFU/mL)	2.4×10^3
抑菌率(%)	>99
抗菌效果的评价标准 (抑菌率 (%))	≥ 70
评价	符合，有抗菌效果

备注：

1. W_t ：3 个对照样 18 h 振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。
2. W_0 ：3 个对照样 0 h 接触时间烧瓶内的活菌浓度的平均值(CFU/mL)。
3. F：对照样的试验菌增长值：F = $\lg W_t - \lg W_0$ 。
4. Q_t ：3 个抗菌样品 18 h 振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。
5. 检测对照样为 100%纯棉布，由 SGS 实验室提供。
6. 样品灭菌方式为高压蒸汽灭菌(121 °C, 15 min)。
7. 试验人员：周桦炯。

备注：

1. 除非另有说明，本报告在不考虑不确定度的情况下，根据检测结果是否在规定限值或规格范围内做出符合性判断。



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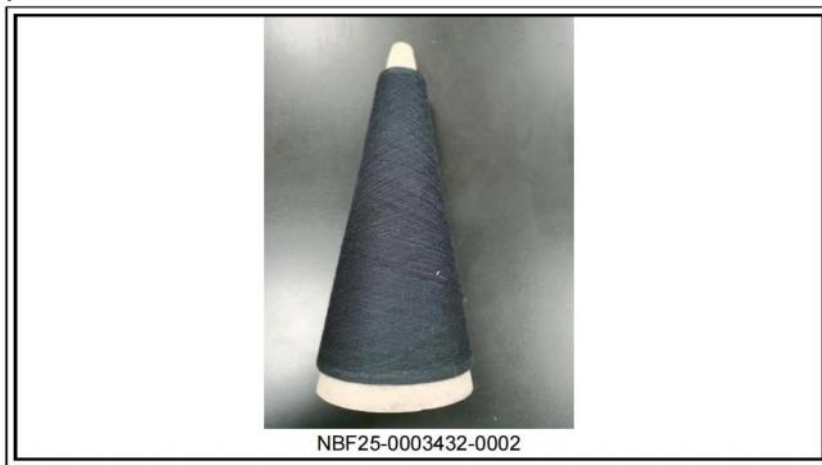
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检测报告

NBF25-0003432-02

发布日期：2025-03-11

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检测报告

NBF25-0003432-01

发布日期：2025-03-11

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客户地址：浙江省余姚市朗霞街道杨家村创业北路 10 号三楼

样品名称：染色莱赛尔纱线
样品批号：19C185/32S
生产日期：2025/02/27
生产商：宁波市帕柯斯塑料科技有限公司
目的地：中国
代理商：宁波市帕柯斯塑料科技有限公司

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样品接收日期：2025-03-03
检测周期：2025-03-03 ~ 2025-03-11
检测方法：请参见下一页。
检测结果：请参见下一页。



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检测报告

NBF25-0003432-01

发布日期：2025-03-11

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF25-0003432-0001	袋装物

检测结果：

检测要求：根据申请者的要求：抗菌效果实验

检测方法：GB/T 20944.3-2008 纺织品 抗菌性能的评价第 3 部分：振荡法

NBF25-0003432-0001

检测菌种	金黄色葡萄球菌 ATCC 6538
接种菌液浓度 (CFU/mL)	2.0×10^4
F	1.9
W_t (CFU/mL)	1.8×10^6
W_0 (CFU/mL)	2.3×10^4
Q_t (CFU/mL)	86
抑菌率(%)	>99
抗菌效果的评价标准 (抑菌率 (%))	≥70
评价	符合，有抗菌效果

备注：

1. W_t ：3 个对照样 18 h 振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。
2. W_0 ：3 个对照样 0 h 接触时间烧瓶内的活菌浓度的平均值(CFU/mL)。
3. F：对照样的试验菌增长值：F = $\lg W_t - \lg W_0$ 。
4. Q_t ：3 个抗菌样品 18 h 振荡接触后烧瓶内的活菌浓度的平均值(CFU/mL)。
5. 检测对照样为 100%纯棉布，由 SGS 实验室提供。
6. 样品灭菌方式为高压蒸汽灭菌(121 °C, 15 min)。
7. 试验人员：周桦炯。

备注：

1. 除非另有说明，本报告在不考虑不确定度的情况下，根据检测结果是否在规定限值或规格范围内做出符合性判断。



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检测报告

NBF25-0003432-01

发布日期：2025-03-11

样品照片：



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检测报告

NBF25-0005185-01

发布日期：2025-04-01

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市朗霞街道杨家村创业北路 10 号三楼

样品名称：染色棉纱线
样品批号：/
生产日期：2025/03/20
生产商：宁波市帕柯斯塑料科技有限公司
供应商：宁波市帕柯斯塑料科技有限公司
目的地：中国

以上样品及信息由客户提供及确认，SGS 不承担证实客户提供信息的准确性、适当性和(或)完整性责任。

样品接收日期：2025-03-24
检测周期：2025-03-24 ~ 2025-04-01
检测方法：请参见下一页。
检测结果：请参见下一页。



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检测报告

NBF25-0005185-01

发布日期：2025-04-01

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF25-0005185-0001	袋装物

检测结果：

检测要求： 根据申请者的要求：抗菌效果实验

检测方法： GB/T 20944.3-2008 纺织品 抗菌性能的评价第 3 部分：振荡法

NBF25-0005185-0001

检测菌种	大肠杆菌 8099
接种菌液浓度 (CFU/mL)	2.2×10^4
F	2.5
W_t (CFU/mL)	8.6×10^6
W_0 (CFU/mL)	2.5×10^4
Q_t (CFU/mL)	1.0×10^5
抑菌率(%)	99
抗菌效果的评价标准 (抑菌率 (%))	≥ 70
评价	符合，有抗菌效果

备注：

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检测报告

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