

帕 柯 斯

PARX MATERIALS

检 测 报 告 集

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2025-3-13

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*消毒液检测见专项报告本



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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	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.

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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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 WJ20210253

样品名称 祛痘贴

委托单位 宁波华孚电子商务有限公司



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检测编号：WJ20210253

Test No.

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GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO., LTD.

检测报告

TEST REPORT

收样日期：2021年1月25日

Date Received

检测日期：2021年1月26日

Date Analyzed

样品名称 Name of Sample	祛痘贴	样品来源 Source of Sample	送样
委托单位 Applicant	宁波华孚电子商务有限公司	委托方编号 Client Number	—
生产单位 Manufacturer	—	商标 Brand	ESSECARE 研森
型号规格 Type and Specification	—	样品数量 Quantity of Sample	1份
生产日期 Date of Production	—	样品状态 State of Sample	—
生产批号 Batch Number	—	样品包装 Packing of Sample	—
检验依据和方法 Standard and Methods	ISO 22196: 2011 塑料与其他无孔表面抗菌活性的测定		
检测项目 Items of Analysis	1. 抗菌效果（大肠杆菌 ATCC 8739、金黄色葡萄球菌 ATCC 6538P） 2. 抗菌率（大肠杆菌 ATCC 8739、金黄色葡萄球菌 ATCC 6538P）*		
备注 Remarks	检测面：白色的底纸撕掉那面有粘性的是接触面。		

根据客户要求，增加抗菌率，计算公式如下：

$$* \text{抗菌率} = (C_t - T_t) / C_t$$

C_t : 24h 对照样活菌数均值 (CFU/cm²)

T_t : 24h 试样活菌数均值 (CFU/cm²)

检测结果：

Test Results

样品编号	试验菌种	0h 对照样 活菌数均值 (CFU/cm ²)	24h 对照样 活菌数均值 (CFU/cm ²)	24h 试样 活菌数均值 (CFU/cm ²)	抗菌 活性	抗菌率 (%)
WJ20210253-1	大肠杆菌	2.1×10 ⁴	7.8×10 ⁶	0.63	7.1	99.9
	金黄色葡萄球菌	1.7×10 ⁴	1.8×10 ⁶	0.63	6.5	99.9

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202019005395

广州市微生物研究所有限公司

Guangzhou Institute of Microbiology Co., Ltd.

检测报告

TEST REPORT

报告编号 XJ20210964

样品名称 研森抗菌祛痘精华液

委托单位 宁波华孚电子商务有限公司



中国认可
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检测
TESTING
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检测编号：XJ20210964
Test No.

广州市微生物研究所有限公司
Guangzhou Institute of Microbiology Co., Ltd.

检测报告 TEST REPORT

收样日期：2021 年 04 月 07 日
Date Received

检测日期：2021 年 04 月 30 日
Date Analyzed

样品名称 Name of Sample	研森抗菌祛痘精华液	检测类型 Test Type	委托检测
委托单位 Applicant	宁波华孚电子商务有限公司	样品来源 Sample Source	委托方送检
生产单位 Manufacturer	——	型号规格 Type and Specification	——
样品状态 State of Sample	液体	生产批号 Batch Number	——
样品包装 Packing of Sample	——	生产日期 Date of Production	——
样品数量 Quantity of Sample	1 份	商标 Brand	ESSECARE 研森
检验依据和方法 Standard and Methods	《消毒技术规范》（2002 年版）2.1.11.3.2 溶出性抗（抑）菌产品抑菌性能测试方法		
检测项目 Items of Analysis	抑菌率（痤疮丙酸杆菌 CICC 10312）		
备注 Remarks	作用浓度：原液		

检测结果：

Test Results

试验菌株	试验 序号	对照样品的平均回收 菌落数(cfu/mL)	作用不同时间抑菌率 (%)			
			2h	4h	6h	12h
痤疮丙酸杆菌	1	2.51×10 ⁴	93.5	>99.9	>99.9	>99.9
	2	2.49×10 ⁴	93.6	>99.9	>99.9	>99.9
	3	2.48×10 ⁴	93.4	>99.9	>99.9	>99.9
	平均值		93.5	>99.9	>99.9	>99.9

注：《消毒技术规范》（2002 年版）规定：“抑菌率≥50~90%，产品有抑菌作用；抑菌率≥90%，产品有较强抑菌作用”。

报告结束/End of report

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第2页，共3页



中国认可
国际互认
检测
TESTING
CNAS L0823



202019005395

广州市微生物研究所有限公司

Guangzhou Institute of Microbiology Co., Ltd.

检测报告

TEST REPORT

报告编号 XJ20211426

样品名称 伤口护理软膏

委托单位 忧立舒医药科技（广东）有限公司





中国认可
国际互认
检测
TESTING
CNAS L0823



202019005395

检测编号：XJ20211426

Test No.

广州市微生物研究所有限公司

Guangzhou Institute of Microbiology Co., Ltd.

检测报告

TEST REPORT

收样日期：2021 年 05 月 10 日
Date Received

检测日期：2021 年 05 月 13 日
Date Analyzed

样品名称 Name of Sample	伤口护理软膏	检测类型 Test Type	委托检测
委托单位 Applicant	优立舒医药科技（广东）有限公司	样品来源 Sample Source	委托方送检
生产单位 Manufacturer	——	型号规格 Type and Specification	30g
样品状态 State of Sample	软膏	生产批号 Batch Number	——
样品包装 Packing of Sample	——	生产日期 Date of Production	——
样品数量 Quantity of Sample	1 份	商标 Brand	康颜益健
检验依据和方法 Standard and Methods	GB 15979-2002《一次性使用卫生用品卫生标准》附录 C4		
检测项目 Items of Analysis	抑菌率（大肠杆菌 ATCC 25922、金黄色葡萄球菌 ATCC 6538）		
备注 Remarks	作用浓度：原样		

检测结果：

Test Results

试验菌株	试验序号	对照样品的平均回收菌落数(cfu/mL)	作用不同时间抑菌率(%)		
			2h	4h	8h
大肠杆菌	1	4.83×10 ⁴	>99.9	>99.9	>99.9
	2	4.80×10 ⁴	>99.9	>99.9	>99.9
	3	4.84×10 ⁴	>99.9	>99.9	>99.9
	平均值		>99.9	>99.9	>99.9
金黄色葡萄球菌	1	8.30×10 ⁴	0	0	98.0
	2	8.00×10 ⁴	0	0	98.0
	3	8.10×10 ⁴	0	0	97.9
	平均值		0	0	97.9

注：GB 15979-2002《一次性使用卫生用品卫生标准》附录 C4 规定：抑菌率≥50~90%，产品有抑菌作用；抑菌率≥90%，产品有较强抑菌作用。

报告结束/End of report

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检测报告

报告编号: WP1-210500500-JC-01CnC1R1

样品名称: 帕柯斯抑菌凝胶

送检单位: 宁波帕柯斯生物科技有限公司

样品来源: 委托方送检

上海微谱化工技术服务有限公司





检测报告

报告编号：WP1-210500500-JC-01CnC1R1 页码：1/3

样 品 名 称	帕柯斯抑菌凝胶	样 品 数 量	1 瓶
生 产 日 期 或 批 号	2021 年 5 月 21 日/S-SK1N0621	样 品 性 状	透明胶状
型 号 规 格	30ml/瓶	商 标	/
送 检 单 位	宁波帕柯斯生物科技有限公司	接 样 日 期	2021-05-24
生 产 单 位	/	检 测 周 期	2021-05-27~2021-06-09
样 品 编 号	2105000528-1		

检验依据

抗病毒活性人乳头瘤病毒
《消毒技术规范》（2002 年版）
HPV16

评价依据

抗病毒活性人乳头瘤病毒
HPV16 评价规定

检验结论

/

编制：

姚慧婷

审核：

王望

批准：

王望

签发日期：

2021-06-17



检测报告

报告编号：WP1-210500500-JC-01Cn1R1 页码：2 / 3

样品名称	帕柯斯抑菌凝胶	接样日期	2021-05-24
检测项目	抗病毒活性 人乳头瘤病毒 HPV16	检测周期	2021-05-27~2021-06-09

病毒名称	人乳头瘤病毒 HPV16 Vero-E6 细胞		
样品名称	帕柯斯抑菌凝胶		
时间	序号	对照组病毒滴度的对数值 (lgTCID ₅₀ /mL)	试验组病毒滴度的对数值 (lgTCID ₅₀ /mL)
2h	1	5.51	< 1.50
	2	5.55	< 1.50
	3	5.53	< 1.50
平均病毒滴度对数值 lgTCID ₅₀ /mL		5.53	< 1.50
病毒总数 TCID ₅₀ /mL		3.39×10 ⁵	< 31.6
平均灭活对数值		> 4.03	
抗病毒活性率 (%)		> 99.99	

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

WJ20212319

样品名称

医用冷敷贴皮肤型

委托单位

忧立舒医药科技（广东）有限公司

检测编号：WJ20212319
 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7月6日
 Date Received

检测日期：2021年7月7日
 Date Analyzed

样品名称 Name of Sample	医用冷敷贴皮肤型	样品来源 Source of Sample	送样
委托单位 Applicant	优立舒医药科技（广东）有限公司	委托方编号 Client Number	——
生产单位 Manufacturer	——	商标 Brand	——
型号规格 Type and Specification	5*5cm	样品数量 Quantity of Sample	1份
生产日期 Date of Production	——	样品状态 State of Sample	片状
生产批号 Batch Number	——	样品包装 Packing of Sample	——
检验依据和方法 Standard and Methods	参考 GB/T 31402-2015 塑料 塑料表面抗菌性能试验方法		
检测项目 Items of Analysis	1、抗菌效果（大肠杆菌 ATCC 8739、金黄色葡萄球菌 ATCC 6538P） 2、抗菌率（大肠杆菌 ATCC 8739、金黄色葡萄球菌 ATCC 6538P）		
备注 Remarks	委托方要求：撕膜后检测有粘性的一面。		

根据客户要求，增加抗菌率，计算公式如下：

$$\text{抗菌率} = (C_1 - T_1) / C_1$$

C_1 : 24h 对照样活菌数均值 (CFU/cm²)

T_1 : 24h 试样活菌数均值 (CFU/cm²)

检测结果：

Test Results

样品编号	试验菌种	0h 对照样 活菌数均值 (CFU/cm ²)	24h 对照样 活菌数均值 (CFU/cm ²)	24h 试样 活菌数均值 (CFU/cm ²)	抗菌 性能值	抗菌率 (%)
WJ20212319-1	大肠杆菌	1.0×10 ⁴	2.9×10 ⁶	0.63	6.7	99.9
	金黄色葡萄球菌	8.8×10 ³	4.2×10 ⁵	0.63	5.8	99.9

报告结束/End of report

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英格尔检测技术服务（上海）有限公司

检 测 报 告



检验报告编号	SHF21090327-01
样 品 名 称	帕柯斯™妇用抑菌凝胶
送 检 单 位	南京闽海新材料科技有限公司

2021 年 10 月 14 日



180920341238

英格尔检测技术服务（上海）有限公司
检验报告



样品受理编号：SHF21090327-01

检验报告编号：SHF21090327-01

第3页/共8页

样 品 名 称	帕柯斯™妇用抑菌凝胶	样 品 数 量	15 瓶
送 检 单 位	南京闽海新材料科技有限公司	样 品 性 状	凝胶
生 产 单 位	江苏加南美地生物科技有限公司	接 样 日 期	2021-09-16
生产日期或批号	210801	检 验 完 成 日 期	2021-10-11
规 格 或 型 号	200mL/瓶		

一、检验依据

1. 抑菌性能试验：GB 15979-2002《一次性使用卫生用品卫生标准》附录 C4。

2.1 年稳定性（溶出性抑菌试验）：GB 15979-2002《一次性使用卫生用品卫生标准》

3. 微生物指标：GB 15979-2002《一次性使用卫生用品卫生标准》附录 B。

二、评价依据

GB 15979-2002《一次性使用卫生用品卫生标准》

三、检验结论

1. 抑菌性能试验：经 3 次重复试验，结果表明该样品作用 2min、5min、10min、20min 对大肠杆菌、金黄色葡萄球菌、白色念珠菌有抑菌作用，符合 GB 15979-2002《一次性使用卫生用品卫生标准》的要求。

2.1 年稳定性（溶出性抑菌试验）：该帕柯斯™妇用抑菌凝胶经 54℃，相对湿度>75%恒温恒湿箱保存 14 天后，经 3 次重复试验，结果表明该帕柯斯™妇用抑菌凝胶作用 2min、5min、10min、20min 对大肠杆菌、金黄色葡萄球菌、白色念珠菌均有抑菌作用，符合 GB 15979-2002《一次性使用卫生用品卫生标准》要求，其抑菌作用在室温下至少保持 1 年。

3. 微生物指标：该样品的微生物指标均符合 GB 15979-2002《一次性使用卫生用品卫生标准》要求。

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朱红艳

（朱红艳）

审核

杨仁琪

（杨仁琪）



郭琴琴

（授权签字人：郭琴琴）

2021 年 10 月 14 日

英格尔检测技术服务（上海）有限公司
ICAS TESTING TECHNOLOGY SERVICE (SHANGHAI) CO., LTD

NCA0665975

Hotline: 400-182-9001 Tel: 0086 21-51682918 www.icas.org.cn Add: 155 Pingbei Rd, Minhang District, Shanghai 上海市闵行区颛北路155号



英格尔检测技术服务（上海）有限公司
检验报告

样品受理编号：SHF21090327-01

检验报告编号：SHF21090327-01

第4页/共8页

样 品 名 称 帕柯斯™妇用抑菌凝胶 接 样 日 期 2021-09-16
检 验 项 目 溶出性抑菌试验（大肠杆菌、金黄色葡萄球菌、白色念珠菌） 检 验 完 成 日 期 2021-09-26

一、器材

1. 试验菌株：大肠杆菌 ATCC 25922，第4代；金黄色葡萄球菌 ATCC 6538，第4代；白色念珠菌 ATCC 10231，第4代。

2. 试验样品：帕柯斯™妇用抑菌凝胶。

二、方法

1. 检测依据：GB 15979-2002《一次性使用卫生用品卫生标准》附录C4

2. 检测环境温度20℃，相对湿度56%

3. 检测条件：试验重复3次。

三、结果

1. 溶出性抑菌试验（大肠杆菌）

经3次重复试验，该帕柯斯™妇用抑菌凝胶对大肠杆菌作用2min、5min、10min、20min后，抑菌率见表1。

表1 帕柯斯™妇用抑菌凝胶对大肠杆菌的抑菌效果

试验菌株	平均对照回收菌落数 (CFU/mL)	试验序号	作用不同时间 (min) 抑菌率 (%)			
			2	5	10	20
大肠杆菌 (ATCC 25922)	2.4×10 ⁴	1	>99.91	>99.91	>99.92	>99.92
		2	>99.92	>99.92	>99.92	>99.92
		3	>99.92	>99.92	>99.91	>99.92
		平均值	>99.92	>99.92	>99.92	>99.92

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英格尔检测技术服务（上海）有限公司
检验报告

样品受理编号：SHF21090327-01

检验报告编号：SHF21090327-01

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2.溶出性抑菌试验（金黄色葡萄球菌）

经3次重复试验，该帕柯斯™妇用抗菌凝胶对金黄色葡萄球菌作用2min、5min、10min、20min后，抑菌率见表2。

表2 帕柯斯™妇用抗菌凝胶对金黄色葡萄球菌的抑菌效果

试验菌株	平均对照回收菌落数 (CFU/mL)	试验序号	作用不同时间（min）抑菌率（%）			
			2	5	10	20
金黄色葡萄球菌 (ATCC 6538)	2.7×10 ⁴	1	>99.93	>99.93	>99.93	>99.93
		2	>99.93	>99.92	>99.93	>99.93
		3	>99.93	>99.93	>99.93	>99.93
		平均值	>99.93	>99.93	>99.93	>99.93

3.溶出性抑菌试验（白色念珠菌）

经3次重复试验，该帕柯斯™妇用抗菌凝胶对白色念珠菌作用2min、5min、10min、20min后，抑菌率见表3。

表3 帕柯斯™妇用抗菌凝胶对白色念珠菌的抑菌效果

试验菌株	平均对照回收菌落数 (CFU/mL)	试验序号	作用不同时间（min）抑菌率（%）			
			2	5	10	20
白色念珠菌 (ATCC 10231)	5.5×10 ⁴	1	96.67	99.42	>99.96	>99.96
		2	97.14	99.31	>99.96	>99.96
		3	97.04	99.31	>99.96	>99.96
		平均值	96.95	99.35	>99.96	>99.96

四、结论

抑菌性能试验：经3次重复试验，结果表明该样品作用2min、5min、10min、20min对大肠杆菌、金黄色葡萄球菌、白色念珠菌有抑菌作用，符合GB 15979-2002《一次性使用卫生用品卫生标准》的要求。

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英格尔检测技术服务（上海）有限公司
检验报告

样品受理编号：SHF21090327-01

检验报告编号：SHF21090327-01

第6页/共8页

样 品 名 称 帕柯斯™妇用抑菌凝胶 接 样 日 期 2021-09-16
检 验 项 目 1年稳定性（溶出性抑菌试验） 检 验 完 成 日 期 2021-10-11

一、器材

1.试验菌株：大肠杆菌 ATCC 25922，第4代；金黄色葡萄球菌 ATCC 6538，第4代；白色念珠菌 ATCC 10231，第4代。

2.试验样品：帕柯斯™妇用抑菌凝胶。

二、方法

1.检测依据：GB 15979-2002 《一次性使用卫生用品卫生标准》

2.检测条件：试验温度22℃，湿度为54%

3.试验重复3次。

三、结果

经3次重复试验，结果表明该试验样品经54℃，相对湿度>75%恒温恒湿箱保存14天后，对大肠杆菌作用2min、5min、10min、20min的抑菌率见表1。

表1 帕柯斯™妇用抑菌凝胶对大肠杆菌的抑菌效果

试验菌株及编号	平均对照回收菌落数 (CFU/mL)	试验序号	作用不同时间（min）抑菌率（%）			
			2	5	10	20
大肠杆菌 (ATCC 25922)	6.5×10 ⁴	1	>99.97	>99.97	>99.97	>99.97
		2	>99.97	>99.97	>99.97	>99.97
		3	>99.97	>99.97	>99.97	>99.97
		平均值	>99.97	>99.97	>99.97	>99.97

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英格尔检测技术服务（上海）有限公司 检验报告

样品受理编号：SHF21090327-01

检验报告编号：SHF21090327-01

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经3次重复试验，结果表明该试验样品经54℃，相对湿度>75%恒温恒湿箱保存14天后，对金黄色葡萄球菌作用2min、5min、10min、20min的抑菌率见表2。

表2 帕柯斯™妇用抑菌凝胶对金黄色葡萄球菌的抑菌效果

试验菌株及编号	平均对照回收菌落数 (CFU/mL)	试验序号	作用不同时间 (min) 抑菌率 (%)			
			2	5	10	20
金黄色葡萄球菌 (ATCC 6538)	5.7×10 ⁴	1	>99.96	>99.96	>99.97	>99.97
		2	>99.97	>99.96	>99.96	>99.97
		3	>99.96	>99.96	>99.97	>99.96
		平均值	>99.96	>99.97	>99.97	>99.97

经3次重复试验，结果表明该试验样品经54℃，相对湿度>75%恒温恒湿箱保存14天后，对白色念珠菌作用2min、5min、10min、20min的抑菌率见表3。

表3 帕柯斯™妇用抑菌凝胶对白色念珠菌的抑菌效果

试验菌株及编号	平均对照回收菌落数 (CFU/mL)	试验序号	作用不同时间 (min) 抑菌率 (%)			
			2	5	10	20
白色念珠菌 (ATCC 10231)	8.6×10 ⁴	1	54.02	69.05	76.47	81.18
		2	51.19	71.26	77.38	82.35
		3	52.27	68.97	76.14	80.46
		平均值	52.49	69.76	76.66	81.33

四、结论

该帕柯斯™妇用抑菌凝胶经54℃相对湿度>75%恒温恒湿箱保存14天后，经3次重复试验，结果表明该帕柯斯™妇用抑菌凝胶作用2min、5min、10min、20min对大肠杆菌、金黄色葡萄球菌、白色念珠菌均有抑菌作用，符合GB15979-2002《一次性使用卫生用品卫生标准》要求，其抑菌作用在室温下至少保持1年。

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英格尔检测技术服务（上海）有限公司
检验报告

样品受理编号：SHF21090327-01

检验报告编号：SHF21090327-01

第8页/共8页

样 品 名 称 帕柯斯™妇用抑菌凝胶 接 样 日 期 2021-09-16
检 验 项 目 细菌菌落总数、大肠菌群、绿脓杆菌、
金黄色葡萄球菌、溶血性链球菌、真菌 菌落总数 检 验 完 成 日 期 2021-09-25

一、器材

1. 试验样品：帕柯斯™妇用抑菌凝胶

二、方法

1. 检测依据：GB 15979-2002《一次性使用卫生用品卫生标准》附录B

2. 检测环境温度22℃，相对湿度56%

三、结果

微生物指标结果

项目	结果
细菌菌落总数（CFU/g）	0
大肠菌群	未检出
绿脓杆菌	未检出
金黄色葡萄球菌	未检出
溶血性链球菌	未检出
真菌菌落总数（CFU/g）	0

四、结论

该样品的微生物指标均符合GB 15979-2002《一次性使用卫生用品卫生标准》要求。

（此页以下空白）

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%



中国认可
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: /

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: 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 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

*** 结束 ***



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福建生物工程职业技术学院实训实验中心

检测报告

样品编号	PARX2022065
样品名称	帕柯斯皮肤软膏
检测类别	委托测试
送检单位	帕柯斯生物技术(福建)有限公司

2022年9月25日



福建生物工程职业技术学院实训实验中心

检测报告

样品名称	帕柯斯皮肤软膏	样品批号	20220801
委托单位	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署光路132号申发大厦2707单元
样品来源	委托方送检	生产日期	/
生产单位	帕柯斯生物技术（福建）有限公司	商标	PARX 帕柯斯
以上样品及信息由客户提供及确认			
样品编号	PARX2022065	收样日期	2022年8月10日
样品数量	1瓶	型号规格	100mL/瓶
样品包装	塑料瓶、密封	样品状态	膏体
检测日期	2022年9月16日	报告日期	2022年9月25日
检测项目	抑菌率（大肠杆菌 CICC10305）		
检测方法	WS/T 抗菌和抑菌效果评价方法（悬液定量抑菌试验）		
测试结果			
试验菌种	试验序号	对照样品的平均回收菌落（CFU/mL）	作用10min 抑菌率（%）
大肠杆菌	1	1.8×10^4	> 99.9
	2	1.9×10^4	> 99.9
	平均值		> 99.9

备注：抑菌率 ≥ 50-90%，产品有抑菌作用；抑菌率 ≥ 90%，产品有较强抑菌作用。

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编制：王清霞
批准：蔡晓

审核：刘文君
签发日期：2022年9月25日

福建生物工程职业技术学院实训实验中心

检测报告

样品编号	PARX2022064
样品名称	口腔含漱消毒液 (0.01%BEN+0.4%PA 锌+0.1%柿子单宁)
检测类别	委托测试
送检单位	帕柯斯生物技术(福建)有限公司



2022年9月25日

福建生物工程职业技术学院实训实验中心

检测 报告

样品名称	口腔含漱消毒液 (0.01%BEN+0.4%PA 锌 +0.1%柿子单宁)	样品批号	/
委托单位	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曙光路 132 号申发大厦 2707 单元
样品来源	委托方送检	生产日期	/
生产单位	帕柯斯生物技术(福建)有限公司	商标	PARX 帕柯斯
以上样品及信息由客户提供及确认			
样品编号	PARX2022064	收样日期	2022 年 9 月 16 日
样品数量	1 瓶	型号规格	1L/瓶
样品包装	塑料瓶、密封	样品状态	液体
检测日期	2022 年 9 月 16 日	报告日期	2022 年 9 月 25 日
检测项目	抑菌率 (大肠杆菌 CICC10305)		
检测方法	WS/T 抗菌和抑菌效果评价方法 (悬液定量抑菌试验)		
测试结果			
试验菌种	试验序号	对照样品的平均回收菌落 (CFU /mL)	作用 10min 抑菌率 (%)
大肠杆菌	1	2.0×10^4	> 99.99
	2	2.0×10^4	> 99.99
	3	2.0×10^4	> 99.99
	平均值		> 99.99

备注：抑菌率 ≥ 50-90%，产品有抑菌作用；抑菌率 ≥ 90%，产品有较强抑菌作用。

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检测报告



样品编号	PARX2022063
样品名称	妇科粘膜清洗消毒液 (0.02%BEN+0.4%PA 锌)
检测类别	委托测试
送检单位	帕柯斯生物技术(福建)有限公司

2022年9月25日

福建生物工程职业技术学院实训实验中心

检测 报告

样品名称	妇科粘膜清洗消毒液 (0.02%BEN+0.4%PA 锌)	样品批号	/
委托单位	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曙光路 132号申发大厦2707单元
样品来源	委托方送检	生产日期	/
生产单位	帕柯斯生物技术(福建)有限公司	商标	PARX 帕柯斯
以上样品及信息由客户提供及确认			
样品编号	PARX2022063	收样日期	2022年9月16日
样品数量	1瓶	型号规格	1L/瓶
样品包装	塑料瓶、密封	样品状态	液体
检测日期	2022年9月16日	报告日期	2022年9月25日
检测项目	抑菌率(大肠杆菌 CICC10305)		
检测方法	WS/T 抗菌和抑菌效果评价方法(悬液定量抑菌试验)		
测试结果			
试验菌种	试验序号	对照样品的平均回收菌落 (CFU/mL)	作用10min 抑菌率(%)
大肠杆菌	1	2.0×10^4	99.99
	2	2.0×10^4	99.99
	3	2.0×10^4	99.99
	平均值		99.99

备注：抑菌率 $\geq 50-90\%$ ，产品有抑菌作用；抑菌率 $\geq 90\%$ ，产品有较强抑菌作用。

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检测报告

样品编号	PARX2022062
样品名称	伤口清洗消毒液 (0.01%BEN+0.4%PA 锌)
检测类别	委托测试
送检单位	帕柯斯生物技术(福建)有限公司

2022 年 9 月 25 日



福建生物工程职业技术学院实训实验中心

检测报告

样品名称	伤口清洗消毒液 (0.01%BEN+0.4%PA 锌)	样品批号	20220602
委托单位	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署光路 132 号申发大厦 2707 单元
样品来源	委托方送检	生产日期	/
生产单位	帕柯斯生物技术（福建）有限公司	商标	PARX 帕柯斯
以上样品及信息由客户提供及确认			
样品编号	PARX2022062	收样日期	2022 年 9 月 16 日
样品数量	1 瓶	型号规格	1L/瓶
样品包装	塑料瓶、密封	样品状态	液体
检测日期	2022 年 9 月 16 日	报告日期	2022 年 9 月 25 日
检测项目	抑菌率（大肠杆菌 CICC10305）		
检测方法	WS/T 抗菌和抑菌效果评价方法（悬液定量抑菌试验）		
测试结果			
试验菌种	试验序号	对照样品的平均回收菌落 (CFU /mL)	作用 10min 抑菌率（%）
大肠杆菌	1	2.0×10^4	> 99.99
	2	2.0×10^4	> 99.99
	3	2.0×10^4	> 99.99
	平均值		> 99.99

备注：抑菌率 ≥ 50-90%，产品有抑菌作用；抑菌率 ≥ 90%，产品有较强抑菌作用。

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检测报告

样品编号	PARX2022061
样品名称	宠物除臭消毒液 (0.04%BEN+0.2%PA 锌+0.2%柿子单宁)
检测类别	委托测试
送检单位	帕柯斯生物技术(福建)有限公司



2022 年 9 月 25 日

福建生物工程职业技术学院实训实验中心

检测报告

样品名称	宠物除臭消毒液 (0.04%BEN+0.2%PA 锌 +0.2%柿子单宁)	样品批号	/
委托单位	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署光路 132 号申发大厦 2707 单元
样品来源	委托方送检	生产日期	/
生产单位	帕柯斯生物技术(福建)有限公司	商标	PARX 帕柯斯
以上样品及信息由客户提供及确认			
样品编号	PARX2022061	收样日期	2022 年 9 月 16 日
样品数量	1 瓶	型号规格	1L/瓶
样品包装	塑料瓶、密封	样品状态	液体
检测日期	2022 年 9 月 16 日	报告日期	2022 年 9 月 25 日
检测项目	抑菌率(大肠杆菌 CICC10305)		
检测方法	WS/T 抗菌和抑菌效果评价方法(悬液定量抑菌试验)		
测试结果			
试验菌种	试验序号	对照样品的平均回收菌落 (CFU/mL)	作用 10min 抑菌率(%)
大肠杆菌	1	2.0×10^4	> 99.99
	2	2.0×10^4	> 99.99
	3	2.0×10^4	> 99.99
	平均值		> 99.99

备注：抑菌率 ≥ 50-90%，产品有抑菌作用；抑菌率 ≥ 90%，产品有较强抑菌作用。

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批准：蔡晓

审核：王清霞

签发日期：2022 年 9 月 25 日



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



SGS 授权签字人



ASH22-050059-02

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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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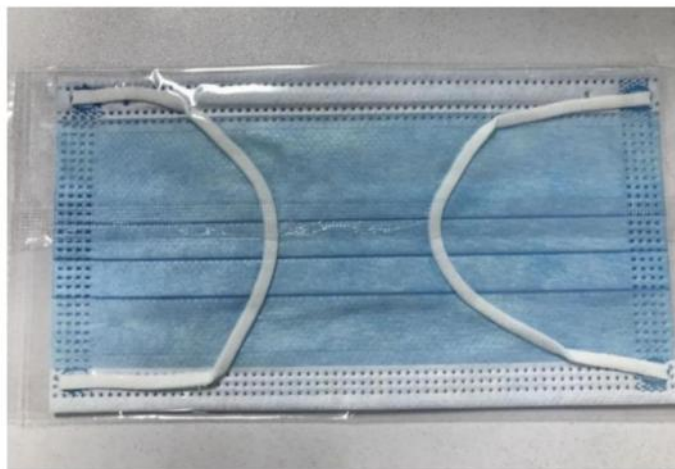
SGS

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

注意事项:

除非另有说明, 本检测结果仅与被检测物品有关。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测结果进行不当宣传。

结束

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检测报告

ASH21-067388-01

发布日期: 2021年10月11日

客户名称: 江苏仁远新材料有限公司
客户地址: 江苏省宿迁市泗阳县临河镇全民创业园井冈山路西侧

样品名称: 保鲜膜
生产商: 江苏仁远新材料有限公司
样品批号: PE0017-0902
生产日期: 2021/09/02
目的地/国: 中国
供应商: 江苏仁远新材料有限公司

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: SHAFD
样品接收日期: 2021年09月26日
检测周期: 2021年09月26日 - 2021年10月11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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ASH21-067388-01

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检测报告

ASH21-067388-01

发布日期：2021年10月11日

检测样品描述：

样品编号	SGS样品ID	描述
1	ASH21-067388.001	袋装物

检测结果：

检测要求：抗菌效果实验

检测方法：GB/T 31402-2015/ISO 22196:2007(IDT) 塑料-塑料表面抗菌性能试验方法

ASH21-067388.001

检测菌种	大肠杆菌 ATCC 8739	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (CFU/mL)	6.0×10^5	7.2×10^5
接种菌液量 (mL)	0.4	0.4
U ₀	4.18	4.23
U _t	6.24	5.93
A _t	2.65	2.72
B (CFU/cm ²)	1.7×10^6	8.5×10^5
C (CFU/cm ²)	4.5×10^2	5.2×10^2
R	3.6	3.2
*抗菌率 (%)	>99.9	99.9

备注：

1. 未经抗菌处理试样为无抗菌性能塑料膜，由SGS实验室提供。
2. U₀：未经抗菌处理试样接种后即时菌数(CFU/cm²)的对数平均值。
3. U_t：未经抗菌处理试样接种后24 h的菌数(CFU/cm²)的对数平均值。
4. A_t：经抗菌处理试样接种后24 h的菌数(CFU/cm²)的对数平均值。
5. R：抗菌性能值， $R = U_t - A_t$ 。
6. *抗菌率由公式 $[(B - C) / B] \times 100\%$ 计算所得；
7. B：未经抗菌处理试样接种后24 h的菌数的平均值(CFU/cm²)；
8. C：经抗菌处理试样接种后24 h的菌数的平均值(CFU/cm²)。
9. 样品灭菌方式为UV灭菌30min。
10. 测试任意面。



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检测报告

ASH21-067388-01

发布日期: 2021年10月11日

样品照片:



ASH21-067388.001

该照片只针对SGS原始报告

*** 结束 ***



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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 WJ20214204

样品名称 PP 测试盒

委托单位 宁波市帕柯斯塑料科技有限公司



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推荐实验室

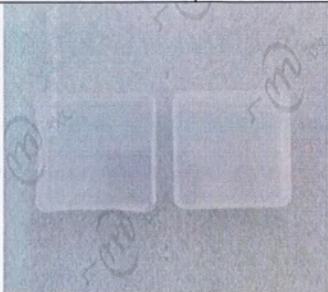
检测编号: WJ20214204
Test No.

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 11 月 9 日
Date Received

检测日期: 2021 年 11 月 10 日
Date Analyzed

样品名称 Name of Sample	PP 测试盒	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	商标 Brand	帕柯斯
型号规格 Type and Specification	5×5cm	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	20210608	样品状态 State of Sample	固体片状
生产批号 Batch Number	2021060801	样品包装 Packing of Sample	—
样品图片 Photo of Sample			
检验依据和方法 Standard and Methods	ISO 22196: 2011 塑料与其他无孔表面抗菌活性的测定		
检测项目 Items of Analysis	1、抗菌效果 (大肠杆菌 ATCC 8739、金黄色葡萄球菌 ATCC 6538P) 2、抗菌率 (大肠杆菌 ATCC 8739、金黄色葡萄球菌 ATCC 6538P) *		
备注 Remarks	标“*”项目为还未通过广东省资质认定和中国合格评定国家认可委员会认可的项目。 检测面为凹进去的那面。		

接下页/To be continued



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检测编号: WJ20214204
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 11 月 9 日

Date Received

根据客户要求, 增加抗菌率, 计算公式如下:

*抗菌率 $= (C_t - T_t) / C_t$

C_t : 24h 对照样活菌数均值 (CFU/cm²)

T_t : 24h 试样活菌数均值 (CFU/cm²)

检测结果:

Test Results

检测日期: 2021 年 11 月 10 日

Date Analyzed

样品编号	试验菌种	0h 对照样 活菌数均值 (CFU/cm ²)	24h 对照样 活菌数均值 (CFU/cm ²)	24h 试样 活菌数均值 (CFU/cm ²)	抗菌 活性	抗菌率 (%)
WJ20214204-1	大肠杆菌	1.4×10^4	3.5×10^6	0.63	6.7	99.9
	金黄色葡萄球菌	1.6×10^4	1.1×10^6	0.63	6.2	99.9

报告结束/End of report

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审核:
Checker

黄洁珊

签发:
Issuer

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签发日期 (公章):
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GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO.,LTD.

检测报告

TEST REPORT

报告编号	WJ20221840
样品名称	抑菌快递循环箱
委托单位	宁波喜悦智行科技股份有限公司



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检测编号：WJ20221840
Test No.

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GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO.,LTD.

检测报告 TEST REPORT

收样日期：2022年5月26日
Date Received

检测日期：2022年5月30日
Date Analyzed

样品名称 Name of Sample	抑菌快递循环箱	样品来源 Source of Sample	送样
委托单位 Applicant	宁波喜悦智行科技股份有限公司	委托方编号 Client Number	—
生产单位 Manufacturer	宁波喜悦智行科技股份有限公司	商标 Brand	JOYREPAK
型号规格 Type and Specification	5cm*5cm	样品数量 Quantity of Sample	1份
生产日期 Date of Production	2022-5-21	样品状态 State of Sample	固体片状
生产批号 Batch Number	22-5-21	样品包装 Packing of Sample	—
检验依据和方法 Standard and Methods	ISO 22196: 2011 塑料与其他无孔表面抗菌活性的测定		
检测项目 Items of Analysis	抗菌性能（金黄色葡萄球菌 ATCC 6538P）		
备注 Remarks	—		

根据客户要求，增加抗菌率，计算公式如下：

$$* \text{抗菌率} = (C_t - T_t) / C_t$$

C_t : 24h 对照样活菌数均值 (CFU/cm²)

T_t : 24h 试样活菌数均值 (CFU/cm²)

检测结果：

Test Results

样品编号	试验菌种	0h 对照样 活菌数均值 (CFU/cm ²)	24h 对照样 活菌数均值 (CFU/cm ²)	24h 试样 活菌数均值 (CFU/cm ²)	抗菌 活性	抗菌率* (%)
WJ20221840-1	金黄色葡萄球菌	2.0×10^4	5.0×10^5	0.63	5.9	99.9

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Editor

审核：
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(公章)：2022.6.7



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检测报告

GZF23-001144-01

发布日期: 2023年01月19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03-4单元

样品名称: 抗菌真空袋
生产商: /
样品批号: /
生产日期: /

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: XMF23-000256.001
样品接收日期: 2023年01月11日
检测周期: 2023年01月11日 - 2023年01月19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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SGS-CSG 通标标准技术服务股份有限公司 广州分公司
Guangzhou Branch Technical Services Co., Ltd. (Guangzhou Branch Technical Services Co., Ltd. and Food Laboratory)

No.180, Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t 400-691-0488 f (86-20) 82075027 www.sgs.com
中国·广东·广州高新技术产业开发区科学城科珠路180号 邮编: 510663 t 400-691-0488 f (86-20) 82075027 sgs.china@sgs.com

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检测报告

GZF23-001144-01

发布日期: 2023年01月19日

检测样品描述:

样品编号	SGS样品ID	描述
1	GZF23-001144.001	块状样品

检测结果:

检测要求: 抗菌效果实验

检测方法: GB/T 31402-2015 塑料-塑料表面抗菌性能试验方法

GZF23-001144.001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	3.8×10^5
接种菌液量 (mL)	0.4
U ₀	3.96
U _t	5.44
A _t	-0.20
B (CFU/cm ²)	2.7×10^5
C (CFU/cm ²)	<0.63
R	5.6
*抗菌率 (%)	>99.9

备注:

1. GB/T 31402-2015 使用翻译法等同采用ISO 22196:2007《塑料 塑料表面抗菌性能试验方法》。
2. 未经抗菌处理试样为无抗菌性能塑料膜，由SGS实验室提供。
3. U₀: 未经抗菌处理试样接种后即时菌数(CFU/cm²)的对数平均值。
4. U_t: 未经抗菌处理试样接种后24 h的菌数(CFU/cm²)的对数平均值。
5. A_t: 经抗菌处理试样接种后24 h的菌数(CFU/cm²)的对数平均值。
6. R: 抗菌性能值， $R = U_t - A_t$ 。
7. *抗菌率由公式 $[(B-C)/B] \times 100\%$ 计算所得。
8. B: 未经抗菌处理试样接种后24 h的菌数的平均值(CFU/cm²)。
9. C: 经抗菌处理试样接种后24 h的菌数的平均值(CFU/cm²)。
10. 样品前处理: 用70%酒精拭擦样品表面，无菌水冲洗，自然晾干。
11. 检测光滑面的内侧（即凸面）



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SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center for Textile and Food Laboratory

No. 198, Kexue Road, Science Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t 400-691-0488 f (86-20) 82075027 www.sgs.com.cn
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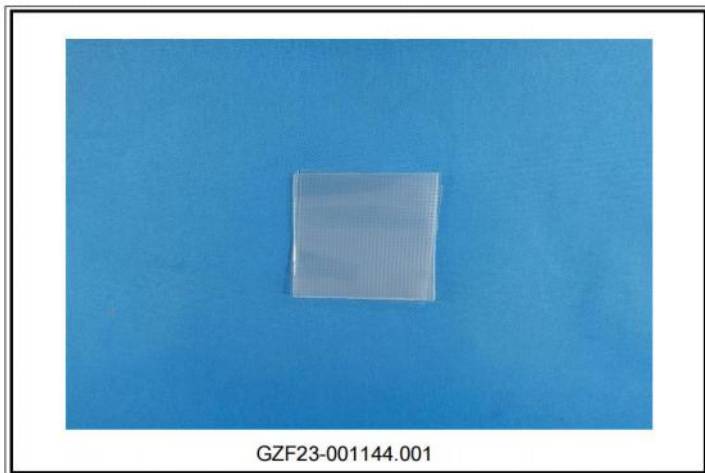
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检测报告

GZF23-001144-01

发布日期: 2023年01月19日

样品照片:



该照片只针对SGS原始报告

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检测报告

GZF23-001144-03

发布日期: 2023年01月28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03-4单元

样品名称: 抗菌盒子
生产商: /
样品批号: /
生产日期: /

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: XMF23-000256.003
样品接收日期: 2023年01月11日
检测周期: 2023年01月11日 - 2023年01月28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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GZF23-001144-03

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检测报告

GZF23-001144-03

发布日期: 2023年01月28日

检测样品描述:

样品编号	SGS样品ID	描述
1	GZF23-001144.003	块状样品

检测结果:

检测要求: 抗菌效果实验

检测方法: GB/T 31402-2015 塑料-塑料表面抗菌性能试验方法

GZF23-001144.003

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	3.9×10^5
接种菌液量 (mL)	0.4
U ₀	3.96
U _t	5.44
A _t	-0.20
B (CFU/cm ²)	2.7×10^5
C (CFU/cm ²)	<0.63
R	5.6
*抗菌率 (%)	>99.9

备注:

1. GB/T 31402-2015 使用翻译法等同采用ISO 22196:2007《塑料 塑料表面抗菌性能试验方法》。
2. 未经抗菌处理试样为无抗菌性能塑料膜，由SGS实验室提供。
3. U₀: 未经抗菌处理试样接种后即时菌数(CFU/cm²)的对数平均值。
4. U_t: 未经抗菌处理试样接种后24 h的菌数(CFU/cm²)的对数平均值。
5. A_t: 经抗菌处理试样接种后24 h的菌数(CFU/cm²)的对数平均值。
6. R: 抗菌性能值， $R=U_t-A_t$ 。
7. *抗菌率由公式 $[(B-C)/B] \times 100\%$ 计算所得。
8. B: 未经抗菌处理试样接种后24 h的菌数的平均值(CFU/cm²)。
9. C: 经抗菌处理试样接种后24 h的菌数的平均值(CFU/cm²)。
10. 样品前处理: 用70%酒精拭擦样品表面，无菌水冲洗，自然晾干。
11. 检测盒子盖子的内侧



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Guangzhou Branch Testing Laboratory for Food and Food Laboratory 中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t 400-691-0488 f (86-20) 82075027 sgs.china@sgs.com

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检测报告

GZF23-001144-03

发布日期: 2023年01月28日

样品照片:



该照片只针对SGS原始报告

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Guangzhou Branch Testing, Inspection and Food Laboratory 中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t 400 - 691 - 0488 f (86-20) 82075027 sgs.china@sgs.com

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TESTING
CNAS L4305

检测报告

NBF24-0007203-02

发布日期：2024-05-16

客户名称：福州融一包装材料有限公司
客户地址：福州市长乐区文岭镇东庄村东庄 300 号

样品名称：PET 吸塑盒
样品批号：/
生产日期：/
生产商：/
样品其他信息：材质：对苯二甲酸乙二醇酯（PET）

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：2024-05-09
检测周期：2024-05-09 ~ 2024-05-16
检测方法：请参见下一页。
检测结果：请参见下一页。



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SGS-CS Standards Technical Services Co., Ltd.
Ningbo Branch Analytical Services Laboratory

NO.3, NO.4 Building Lingyun Industry Park, No.1177 Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, China 315040 t 400-691-0488 f (86-574) 8752 9318 www.sgs.com.cn
中国·浙江·宁波市国家高新区凌云路1177号凌云产业园3号楼, 4号楼 邮编: 315040 t 400-691-0488 f (86-574) 8752 9318 e sgs.china@sgs.com

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检测报告

NBF24-0007203-02

发布日期: 2024-05-16

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	NBF24-0007203-0001	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

NBF24-0007203-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	5.5×10^5
接种菌液量 (mL)	0.4
U_0	3.91
U_t	5.91
A_t	-0.40
B (CFU/cm ²)	8.1×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.3
*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。
7. 测试指定面。
8. 测试样品为片材。



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Ningbo Branch / 宁波分公司

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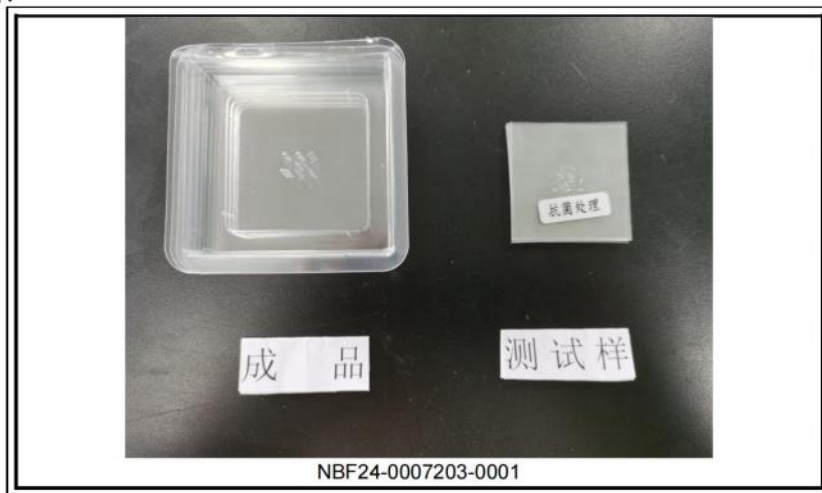
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检测报告

NBF24-0007203-02

发布日期: 2024-05-16

样品照片:



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检测
TESTING
CNAS L0823

广州市微生物研究所

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

TEST REPORT



报告编号	WJ20192339
样品名称	PE 管道
委托单位	福州市帕柯斯新材料有限公司 Fuzhou Parx New Material Co.,Ltd.



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检测
TESTING
CNAS-L0828

检测编号: WJ20192339

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: 2019 年 08 月 15 日
Date Received

检测日期: 2019 年 08 月 20 日
Date Analyzed

样品名称 Name of Sample	PE 管道	样品来源 Source of Sample	送样
委托单位 Applicant	福州市帕柯斯新材料有限公司 Fuzhou Parx New Material Co., Ltd.	委托方编号 Client Number	—
生产单位 Manufacturer	福州市帕柯斯新材料有限公司	商标 Brand	英国 bio pipe
型号规格 Type and Specification	PE0017	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	2019.05.11	样品状态 State of Sample	片状
生产批号 Batch Number	20190511	样品包装 Packing of Sample	—
检验依据和方法 Standard and Methods	ISO 22196:2011 塑料与其他无孔表面抗菌活性的测定		
检测项目 Items of Analysis	抗菌效果 (金黄色葡萄球菌 ATCC 6538P)		
备注 Remarks	—		

检测结果:
Test Results

样品编号	试验菌种	0h 对照样 活菌数均值 (cells/cm ²)	U ₀	24h 对照样 活菌数均值 (cells/cm ²)	U _t	24h 试样 活菌数均值 (cells/cm ²)	A _t	抗菌 活性	抗菌率 (%)
WJ20192339-1	金黄色 葡萄球菌	2.3×10 ⁴	4.4	2.6×10 ⁶	6.4	5.6×10 ²	2.7	3.7	99.9

报告结束/End of report

编制:
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签发日期 (公章):
Date Reported

2019.10.9



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中国认可
检测
TESTING
CNAS L0599

检测报告

客户名称: 福州市帕柯斯新材料有限公司
客户地址: 福建省福州市台江区金融街申发大厦27F

样品名称: 聚丙烯PP-R生物抗菌管材
生产商: bio pipe
样品批号: PP0016
生产日期: 20190506

ASH19-050729-03

发布日期: 2019年10月10日

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SGS相关号:	NBAFL201900882706
样品接收日期:	2019年09月16日
检测周期:	2019年09月16日 - 2019年09月24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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ASH19-050729-03
扫码辨真伪



SGS-CSI (Shanghai) General Services Co., Ltd.
Testing Center, China

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检测报告

检测样品描述：

ASH19-050729-03

发布日期: 2019年10月10日

样品编号	SGS样品ID	描述
1	ASH19-050729.001	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

ASH19-050729-03.001

检测菌种	大肠杆菌 ATCC8739
接种菌液浓度 (CFU/mL)	7.2x10 ⁵
接种菌液量 (mL)	0.2
对照样-"0小时"接触时间 洗脱后获得的细菌数对数 (CFU/cm ²)	4.18
对照样-"24小时"接触时间 洗脱后获得的细菌对数 (CFU/cm ²)	5.69
样品-"24小时"接触时间洗 脱后获得的细菌对数值 (CFU/cm ²)	1.33

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检测报告

大肠杆菌
ATCC8739

抗菌活性值 4.4

*抗菌率 (%) >99.9

ASH19-050729-03

发布日期: 2019年10月10日

备注:

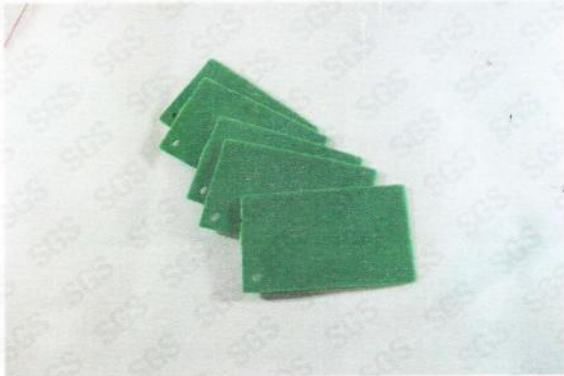
对照样为无抗菌性能塑料膜, 由SGS实验室提供。

*抗菌率 (%)按照客户要求添加, 计算公式为【(B-C) / B】*100;

B: 对照样接种后24h的菌数的平均值(CFU/cm²);

C: 样品接种后24h的菌数的平均值(CFU/cm²)。

样品照片:



ASH19-050729.001

该照片只针对SGS原始报告

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检测报告

客户名称: 福州市帕柯斯新材料有限公司

客户地址: 福建省福州市台江区金融街申发大厦27F

样品名称: PE生物抗菌管材

生产商: bio pipe

样品批号: PP0016

生产日期: 20190506

ASH19-050729-05

发布日期: 2019年10月10日

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:	NBAFL201900882706
样品接收日期:	2019年09月16日
检测周期:	2019年09月16日 - 2019年09月24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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ASH19-050729-05
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检测报告

检测样品描述:

ASH19-050729-05

发布日期: 2019年10月10日

样品编号	SGS样品ID	描述
1	ASH19-050729.002	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

ASH19-050729-05.002

检测菌种: 大肠杆菌 ATCC8739

接种菌液浓度 (CFU/mL): 7.2×10^5

接种菌液量 (mL): 0.2

对照样-"0小时"接触时间洗脱后获得的细菌数对数值(CFU/cm²): 4.18

对照样-"24小时"接触时间洗脱后获得的细菌数对数值(CFU/cm²): 5.69

样品-"24小时"接触时间洗脱后获得的细菌数对数值(CFU/cm²): 1.89

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检测报告

大肠杆菌
ATCC8739

抗菌活性值

3.8

*抗菌率 (%)

>99.9

ASH19-050729-05

发布日期: 2019年10月10日

备注:

对照样为无抗菌性能塑料膜, 由SGS实验室提供。

*抗菌率 (%)按照客户要求添加, 计算公式为【(B-C)/B】*100;

B: 对照样接种后24h的菌数的平均值(CFU/cm²);

C: 样品接种后24h的菌数的平均值(CFU/cm²)。

样品照片:



ASH19-050729.002

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GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

TEST REPORT

报告编号	WJ20192541
样品名称	PP-R 管道
委托单位	福州市帕柯斯新材料有限公司 Fuzhou Parx New Material Co.,Ltd.



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检测编号: WJ20192541

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: 2019年10月16日
Date Received

检测日期: 2019年10月22日
Date Analyzed

样品名称 Name of Sample	PP-R 管道	样品来源 Source of Sample	送样
委托单位 Applicant	福州市帕柯斯新材料有限公司 Fuzhou Parx New Material Co.,Ltd.	委托方编号 Client Number	—
生产单位 Manufacturer	福州市帕柯斯新材料有限公司	商标 Brand	英国 bio pipe
型号规格 Type and Specification	PP0016	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	2019.10.10	样品状态 State of Sample	片状
生产批号 Batch Number	20191010	样品包装 Packing of Sample	—
检验依据和方法 Standard and Methods	ISO 22196:2011 塑料与其他无孔表面抗菌活性的测定		
检测项目 Items of Analysis	抗菌效果 (大肠杆菌 ATCC 8739)		
备注 Remarks	—		

检测结果:
Test Results

样品编号	试验菌种	0h 对照样 活菌数均值 (cells/cm ²)	U ₀	24h 对照样 活菌数均值 (cells/cm ²)	U _t	24h 试样 活菌数均值 (cells/cm ²)	A _t	抗菌 活性	抗菌率 (%)
WJ20192541-1	大肠杆菌	2.5×10 ⁴	4.4	4.3×10 ⁶	6.6	10	1.0	5.6	99.9

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Date Reported



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TESTING
CNAS L0599

检测报告

ASH21-065324-01

发布日期: 2021年09月28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: 水性油光纸
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: SK1N06-09163%
生产日期: 2021/09/16
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: NBAFL202101559202
样品接收日期: 2021年09月18日
检测周期: 2021年09月18日 - 2021年09月28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

ASH21-065324-01

发布日期：2021年09月28日

检测样品描述：

样品编号	SGS样品ID	描述
1	ASH21-065324.001	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

ASH21-065324.001

检测菌种	大肠杆菌 ATCC 8739	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	8.6x10 ⁵	7.2x10 ⁵
接种菌液量 (mL)	0.4	0.4
U ₀	4.29	4.23
U _t	6.40	5.93
A _t	3.66	1.61
B (cells/cm ²)	2.5x10 ⁶	8.7x10 ⁵
C (cells/cm ²)	4.6x10 ³	41
抗菌活性值R	2.7	4.3
*抗菌率 (%)	99.8	>99.9

备注：

1. 对照样为无抗菌性能塑料膜，由SGS实验室提供。
2. U₀：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：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】*100%；
B：对照样接种后24 h的菌数的平均值(cells/cm²)；
C：样品接种后24 h的菌数的平均值(cells/cm²)。
7. 样品灭菌方式为UV灭菌30min。
8. 测试白色面。



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检测报告

ASH21-069814-01

发布日期: 2021年10月19日

客户名称: 中和正源(福建)健康科技有限公司
客户地址: 福建省福清市易百特工业园

样品名称: 水性油漆
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: SK1N06-09163%
生产日期: 2021/09/16
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: NBAFL202101664636
样品接收日期: 2021年10月11日
检测周期: 2021年10月11日 - 2021年10月19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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ASH21-069814-01

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Testing Center for Chemicals and Plastics (Shanghai) Laboratory 中国·上海·宜山路889号3号楼 邮编:200233 t 400-691-0488 f (86-21) 6140 2547 e sgs.china@sgs.com

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检测报告

ASH21-069814-01

发布日期: 2021年10月19日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH21-069814.001	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

ASH21-069814.001

检测菌种	大肠杆菌 ATCC 8739	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	6.8×10^5	6.5×10^5
接种菌液量 (mL)	0.4	0.4
U_0	4.21	4.20
U_t	6.43	5.93
A_t	4.04	3.96
B (cells/cm ²)	2.7×10^6	8.6×10^5
C (cells/cm ²)	1.1×10^4	9.2×10^3
抗菌活性值R	2.4	2.0
*抗菌率 (%)	99.6	98.9

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 $[(B-C)/B] \times 100\%$;
- B: 未处理对照样接种后24 h的菌数的平均值(cells/cm²)。
- C: 样品接种后24 h的菌数的平均值(cells/cm²)。
7. 样品前处理: 用70%酒精拭擦样品表面, 无菌水冲洗, 自然晾干。
8. 测试任意面。



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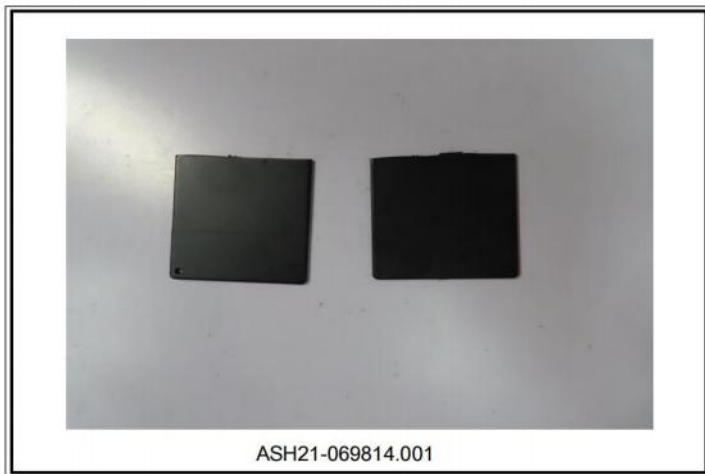
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检测报告

ASH21-069814-01

发布日期: 2021年10月19日

样品照片:



该照片只针对SGS原始报告

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检测报告

ASH22-000901-01

发布日期: 2022年01月13日

客户名称: 中和正源(福建)健康科技有限公司
客户地址: 福建省福州市鼓楼区温泉街道东大路36号花开富贵1#楼A座13B室

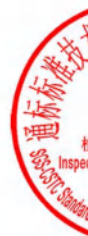
样品名称: 冠捷科技-抗菌油漆
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: SK1N06-09181%
生产日期: 2021/12/28
目的地/国: 中国
供应商: 宁波市帕柯斯塑料科技有限公司

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SGS相关号: NBAFL202200028127
样品接收日期: 2022年01月07日
检测周期: 2022年01月07日 - 2022年01月13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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ASH22-000901-01

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检测报告

ASH22-000901-01

发布日期: 2022年01月13日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH22-000901.001	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

ASH22-000901.001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (cells/mL)	9.5x10 ⁵
接种菌液量 (mL)	0.4
U ₀	4.33
U _t	6.12
A _t	3.94
B (cells/cm ²)	1.3x10 ⁶
C (cells/cm ²)	9.0x10 ³
抗菌活性值R	2.2
*抗菌率 (%)	99.3

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. U₀: 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 $[(B-C)/B] \times 100\%$;
- B: 未处理对照样接种后24 h的菌数的平均值(cells/cm²)；
- C: 样品接种后24 h的菌数的平均值(cells/cm²)。
7. 样品前处理: 测试前样品经紫外辐照30分钟处理。
8. 测试指定面。



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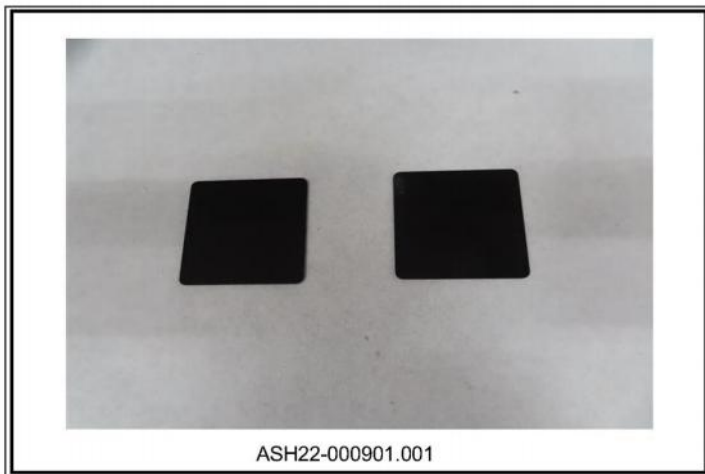
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检测报告

ASH22-000901-01

发布日期: 2022年01月13日

样品照片:



ASH22-000901.001

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检测报告

ASH22-050778-01

发布日期: 2022年10月19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: 华为耐指纹油漆
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: GTQDF-1010HWYQ
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-NBAFL202201759926
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19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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ASH22-050778-01

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SGS-CTC (Shanghai) Technical Services (Shanghai) Co., Ltd.
Testing Center / Inspection & Testing Laboratory

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检测报告

ASH22-050778-01

发布日期: 2022年10月19日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH22-050778.001	片材

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

ASH22-050778.001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (cells/mL)	3.2×10^5
接种菌液量 (mL)	0.4
U_0	3.87
U_t	5.83
A_t	-0.20
B (cells/cm ²)	6.8×10^5
C (cells/cm ²)	<0.63
抗菌活性值R	6.0
*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。
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 $[(B-C)/B] \times 100\%$;
- B: 未处理对照样接种后24 h的菌数的平均值(cells/cm²)；
- C: 样品接种后24 h的菌数的平均值(cells/cm²)。
7. 样品前处理: 检测前样品经紫外辐照30分钟处理。



通标标准技术服务(上海)有限公司

第2页,共3页



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Testing Center for Antimicrobial Resistance Laboratory 中国·上海·宜山路889号3号楼 邮编:200233 t 400-691-0488 f (86-21) 6140 2547 e sgs.china@sgs.com

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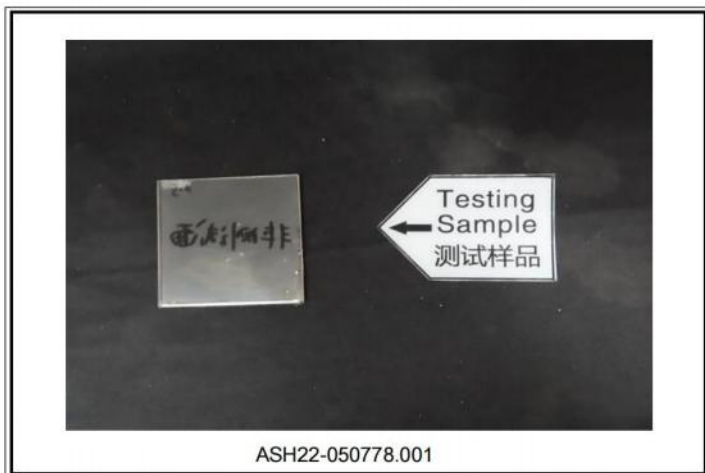
SGS

检测报告

ASH22-050778-01

发布日期: 2022年10月19日

样品照片:



ASH22-050778.001

该照片只针对SGS原始报告

注意事项:

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。

*** 结束 ***



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第3页,共3页



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样品：思嘉高效抗菌地板

结果：大肠杆菌抗菌率 > 99.9%，抗菌活性4.5

铜绿假单胞菌抗菌率 > 99.9%，抗菌活性4.7

肺炎克雷伯氏菌抗菌率 > 99.9%，抗菌活性4.8

金黄色葡萄球菌抗菌率 > 99.9%，抗菌活性4.5

磨损后，以上各菌抗菌率仍 > 99.9%

检测报告

编号：XMIN2302000182CM_CN

日期：2023-02-20

页码：1 of 4

扫码查看在线报告



XMIN2302000182CM

客户名称：福建思嘉新材料科技有限公司

客户地址：福建省福清市新厝镇纬六路思嘉新材料科技园

样品名称：高特效抗菌地板

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。

SGS 参考号：QDF23-006263-01

收样日期：2023-02-03

测试开始时间：2023-02-03

测试结束时间：2023-02-20

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）

通标准技术服务有限公司厦门分公司

检测中心

授权签名

洪友延

洪友延

授权签字人



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检测报告

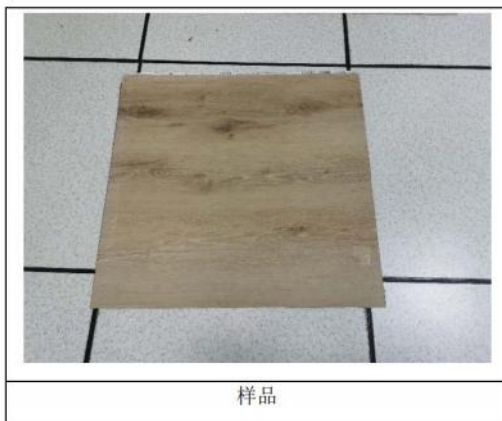
样品：思嘉高效抗菌地板
结果：大肠杆菌抗菌率 > 99.9%，抗菌活性4.5
铜绿假单胞菌抗菌率 > 99.9%，抗菌活性4.7
肺炎克雷伯氏菌抗菌率 > 99.9%，抗菌活性4.8
金黄色葡萄球菌抗菌率 > 99.9%，抗菌活性4.5
磨损后，以上各菌抗菌率仍 > 99.9%

编号：XMIN2302000182CM_CN
日期：2023-02-20
页码：2 of 4

结果总结：

序号	测试项目	测试方法	结果
1	抗菌效果实验	ISO 22196:2011	见结果

原样照片：



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检测报告

编号：XMIN2302000182CM_CN

日期：2023-02-20

页码：3 of 4

样品描述：地板，见照片

检测方法：ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

检测结果：

试样A：从原样中截取，见照片

检测菌种	大肠杆菌 ATCC 8739	铜绿假单胞菌 ATCC 9027	肺炎克雷伯氏菌 ATCC 4352	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	8.3×10^5	8.1×10^5	8.6×10^5	7.1×10^5
接种菌液量 (mL)	0.4	0.4	0.4	0.4
U ₀	4.29	4.29	4.29	4.24
U _t	6.35	6.04	6.45	6.00
At	1.89	1.35	1.67	1.46
B (cells/cm ²)	2.2×10^6	1.1×10^6	2.8×10^6	1.0×10^6
C (cells/cm ²)	78	22	47	29
抗菌活性值R	4.5	4.7	4.8	4.5
*抗菌率 (%)	>99.9	>99.9	>99.9	>99.9

试样B：由原样执行耐磨后试样（耐磨参考 EN 16094:2021 程序 A, 2000 转），见照片

检测菌种	大肠杆菌 ATCC 8739	铜绿假单胞菌 ATCC 9027	肺炎克雷伯氏菌 ATCC 4352	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	8.3×10^5	8.1×10^5	8.6×10^5	7.1×10^5
接种菌液量 (mL)	0.4	0.4	0.4	0.4
U ₀	4.29	4.29	4.29	4.24
U _t	6.35	6.04	6.45	6.00
At	2.96	2.45	2.60	2.89
B (cells/cm ²)	2.2×10^6	1.1×10^6	2.8×10^6	1.0×10^6
C (cells/cm ²)	9.2×10^2	2.8×10^2	4.0×10^2	7.8×10^2
抗菌活性值R	3.4	3.6	3.9	3.1
*抗菌率 (%)	>99.9	>99.9	>99.9	99.9



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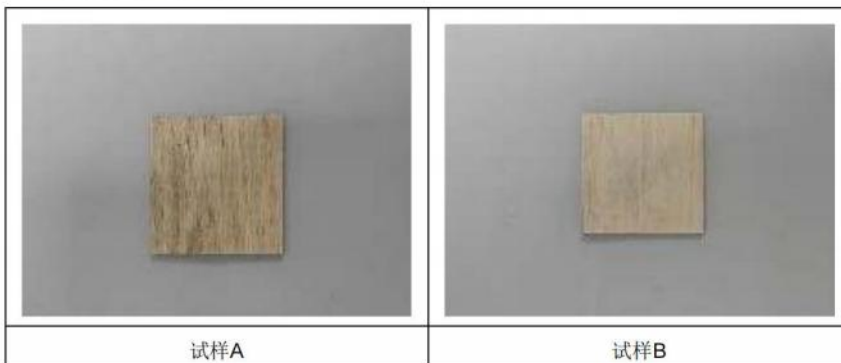
编号：XMIN2302000182CM_CN

日期：2023-02-20

页码：4 of 4

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 $[(B-C)/B] \times 100\%$ ；
B：未处理对照样接种后 24 h 的菌数的平均值(cells/cm²)；
C：样品接种后 24 h 的菌数的平均值(cells/cm²)。
7. 样品前处理：用 70%酒精拭擦样品表面，无菌水冲洗，自然晾干。
8. 测试指定面。
9. 以上检测项目/方法由分包方执行。



备注：该检测报告为由 SGS 发布的原检测报告 编号：XMIN2302000182CM 日期：2023-02-20 的中文译本，本报告仅供参考。

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福建生物工程职业技术学院实训实验中心

检测报告



样品编号	PARX2023010
样品名称	抗菌木器清漆 1%PA
检测类别	委托测试
送检单位	帕柯斯生物技术(福建)有限公司

2023年5月15日

福建生物工程职业技术学院实训实验中心 检测报告

样品名称	抗菌木器清漆 1%PA	样品批号	/
委托单位	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署光路 132 号申发大厦 2707 单元
样品来源	委托方送检	生产日期	/
生产单位	帕柯斯生物技术（福建）有限公司	商标	PARX 帕柯斯
以上样品及信息由客户提供及确认			
样品编号	PARX2023010	收样日期	2023 年 5 月 4 日
样品数量	1 瓶	型号规格	1L/瓶
样品包装	塑料瓶、密封	样品状态	液体
检测日期	2023 年 5 月 13 日	报告日期	2023 年 5 月 15 日
检测项目	抑菌率（大肠杆菌 CICC10305）		
检测方法	WS/T 抗菌和抑菌效果评价方法（悬液定量抑菌试验）		
测试结果			
试验菌种	试验序号	对照样品的平均回收菌落（CFU/mL）	作用 10min 抑菌率（%）
大肠杆菌	1	1.8×10^4	>99.99
	2	1.8×10^4	>99.99
	3	1.8×10^4	>99.99
	平均值		>99.99

备注：抑菌率 ≥ 50-90%，产品有抑菌作用；抑菌率 ≥ 90%，产品有较强抑菌作用。

以下空白

编制：王清霞

批准：蔡松

审 核：2133
签发日期：2023 年 5 月 15 日

福建生物工程职业技术学院实训实验中心

检测报告



样品编号	PARX2023017
样品名称	UV 面漆
检测类别	委托测试
送检单位	帕柯斯生物技术(福建)有限公司

2023 年 6 月 18 日

福建生物工程职业技术学院实训实验中心 检测报告

样品名称	UV 面漆	样品批号	/
委托单位	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署光路 132 号申发大厦 2707 单元
样品来源	委托方送检	生产日期	/
生产单位	帕柯斯生物技术(福建)有限公司	商标	PARX 帕柯斯
以上样品及信息由客户提供及确认			
样品编号	PARX2023017	收样日期	2023 年 6 月 13 日
样品数量	4 个	型号规格	5*5cm
样品包装	塑料袋包装	样品状态	固体
检测日期	2023 年 6 月 14 日	报告日期	2023 年 6 月 18 日
检测项目	大肠杆菌抑菌测试		
检测方法	GB/T 31402-2015 塑料表面抗菌性能试验方法		
测试结果			
试验菌种	大肠杆菌 CICC10305		
接种菌液浓度 (CFU/mL)	1.7×10 ⁶		
接种菌液体积 (mL)	0.4		
U ₀	4.83		
U _t	6.37		
A _t	<1		
B	2.4×10 ⁶		
C	<10		
抗菌活性值 R	>5.37		
抗菌率 (%)	>99.999%		

备注:

1. 未处理对照样为无抗菌性能塑料膜, 由本实验室提供。
2. U_0 : 未处理对照样在 0h 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. R: 抗菌活性值, $R = U_t - A_t$
6. 抗菌率 (%) = $[(B-C) / B] \times 100\%$
B: 未处理对照样接种后 24 h 的细菌数的平均值(cfu/cm²) ;
C: 样品接种后 24 h 的细菌数的平均值(cfu/cm²)。
7. 测试白色面。

以下空白

编制:

批准:

审核:

签发日期: 2023 年 6 月 18 日





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国际互认
检测
TESTING
CNAS L0823



202019005395 推荐实验室



广州市微生物研究所集团股份有限公司
GUANG ZHOU INSTITUTE OF MICROBIOLOGY GROUP CO.,LTD.

检测报告

TEST REPORT



报告编号	WJ20232283
样品名称	无机预涂板
委托单位	宜春市金特建材实业有限公司



中国认可
国际互认
检测
TESTING
CNAS L0823



202019005395 推荐实验室



报告编号：WJ20232283
Report No.

广州市微生物研究所集团股份有限公司
GUANG ZHOU INSTITUTE OF MICROBIOLOGY GROUP CO.,LTD.

检测报告 TEST REPORT

收样日期：2023 年 07 月 10 日
Date Received

检测日期：2023 年 07 月 17 日
Date Analyzed

样品名称 Name of Sample	无机预涂板	样品来源 Source of Sample	送样
委托单位 Applicant	宜春市金特建材实业有限公司	委托方编号 Client Number	——
生产单位 Manufacturer	宜春市金特建材实业有限公司	商标 Brand	宜佳板
型号规格 Type and Specification	厚度 6mm	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	2023/04/10	样品状态 State of Sample	——
生产批号 Batch Number	——	样品包装 Packing of Sample	——
检验依据和方法 Standard and Methods	1、GB/T 21866—2008 抗菌涂料(漆膜)抗菌性能测定法和抗菌效果 2、T/GDITL 011-2020 抗菌、抗病毒涂料*		
检测项目 Items of Analysis	1、抗菌性能测定（金黄色葡萄球菌 AS 1.89） 2、抗菌耐久性能测定（金黄色葡萄球菌 AS 1.89）		
备注 Remarks	抗菌耐久性试验：采用 30W、波长为 253.7nm 的紫外灯，抗菌涂料试板距离紫外灯 0.8m~1.0m，照射 100h，经处理后的试板进行抗菌耐久性试验。 标“*”项目为还未通过广东省资质认定和中国合格评定国家认可委员会认可的项目。		

检测结果：
Test Results

样品编号	作用时间	测试项目	试验菌种	24h 后阴性 对照样平均回收 活菌数 A(CFU/片)	24h 后空白样平 均回收活菌数 B(CFU/片)	24h 后试样 平均回收活菌数 C(CFU/片)	抗菌率 (%)
WJ20232283-1	24h	抗菌性能	金黄色葡萄球菌	4.6×10^8	4.8×10^8	<1000	>99.99
		抗菌耐久性能	金黄色葡萄球菌	4.6×10^8	4.8×10^8	<1000	>99.99

注：根据标准规定，抗菌性能≥99%，抗菌耐久性能≥95%，抗菌涂料等级为 I 级；抗菌性能≥90%，抗菌耐久性能≥85%，抗菌涂料等级为 II 级。

报告结束/End of report

编制：
Editor

钟伟玲

审核：
Checker

姚晓军

签发：
Issuer

孙平

签发日期(盖章)：
Date Reported

2023 年 07 月 25 日





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检测
TESTING
CNAS L4305

检测报告

NBF23-0014210-02

发布日期: 2023-11-30

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: PVC 水管测试板
样品批号: PARX-GR555
生产日期: 2023/11/21
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: 2023-11-22
检测周期: 2023-11-22 ~ 2023-11-30
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

NBF23-0014210-02

发布日期: 2023-11-30

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	NBF23-0014210-0001	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

NBF23-0014210-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	3.5×10^5
接种菌液量 (mL)	0.4
U_0	3.88
U_t	6.11
A_t	2.11
B (CFU/cm ²)	1.3×10^6
C (CFU/cm ²)	1.3×10^2
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)	3.3×10^5
接种菌液量 (mL)	0.4
U_0	3.85
U_t	5.89
A_t	1.95
B (CFU/cm ²)	7.7×10^5
C (CFU/cm ²)	90
抗菌活性值 R	3.9
*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 $[(B-C)/B] \times 100\%$;
B: 未处理对照样接种后 24 h 的菌数的平均值(cells/cm²);

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检测报告

NBF23-0014210-02

发布日期: 2023-11-30

- C: 样品接种后 24 h 的菌数的平均值(cells/cm²)。
7. 检测前样品经紫外辐照 30 分钟处理。



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SGS

检测报告

NBF23-0014210-02

发布日期: 2023-11-30

样品照片:



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检测报告

NBF23-0014209-02

发布日期: 2023-11-30

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: PVC 水管测试板 02
样品批号: PARX-GYX552
生产日期: 2023/11/21
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: 2023-11-22
检测周期: 2023-11-22 ~ 2023-11-30
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

NBF23-0014209-02

发布日期: 2023-11-30

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	NBF23-0014209-0001	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

NBF23-0014209-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	3.5×10^5
接种菌液量 (mL)	0.4
U_0	3.88
U_t	6.11
A_t	-0.20
B (CFU/cm ²)	1.3×10^6
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.3
*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)	3.3×10^5
接种菌液量 (mL)	0.4
U_0	3.85
U_t	5.89
A_t	-0.20
B (CFU/cm ²)	7.7×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.1
*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 $[(B-C)/B] \times 100\%$;
B: 未处理对照样接种后 24 h 的菌数的平均值(cells/cm²);

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检测报告

NBF23-0014209-02

发布日期: 2023-11-30

- C: 样品接种后 24 h 的菌数的平均值(cells/cm²)。
7. 检测前样品经紫外辐照 30 分钟处理。



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检测报告

NBF23-0014209-02

发布日期: 2023-11-30

样品照片:



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注意事项:

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检测报告

NBF24-0003088-01

发布日期: 2024-03-14

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: PVC 测试板
样品批号: PARX-YC55RG063
生产日期: 2024/03/05
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: 2024-03-06
检测周期: 2024-03-06 ~ 2024-03-14
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

NBF24-0003088-01

发布日期: 2024-03-14

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	NBF24-0003088-0001	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

NBF24-0003088-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	5.5×10^5
接种菌液量 (mL)	0.2
U_0	4.38
U_t	6.49
A_t	2.49
B (CFU/cm ²)	3.1×10^6
C (CFU/cm ²)	3.1×10^2
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)	5.0×10^5
接种菌液量 (mL)	0.2
U_0	4.33
U_t	5.41
A_t	0.40
B (CFU/cm ²)	2.6×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	5.0
*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。
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. R: 抗菌活性值, $R=U_t-A_t$ 。
6. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$;
B: 未处理对照样接种后 24 h 的菌数的平均值(CFU/cm²);

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检测报告

NBF24-0003088-01

发布日期: 2024-03-14

C: 样品接种后 24 h 的菌数的平均值(CFU/cm²)。

7. 样品前处理: 检测前样品经紫外辐照 30 分钟处理。



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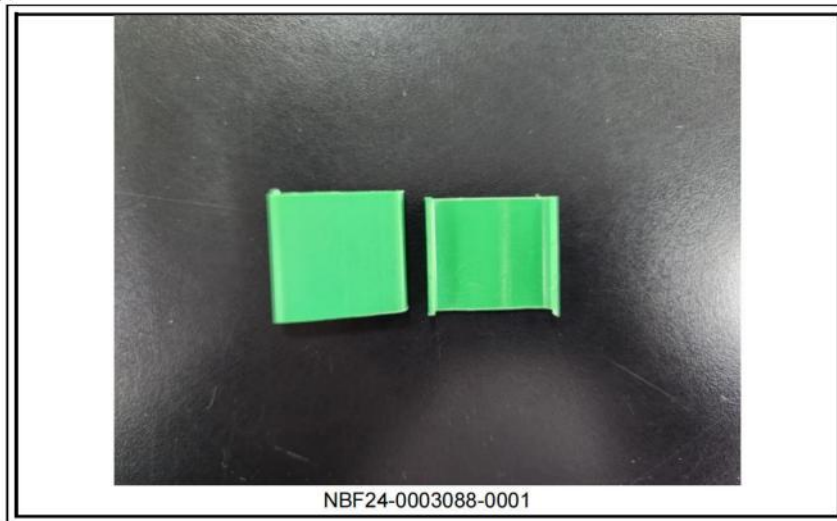
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检测报告

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发布日期: 2024-03-14

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检测报告

NBF24-0003570-01

发布日期：2024-03-21

客户名称： 宜春市金特建材实业有限公司
客户地址： 江西省宜春市袁州区医药工业园中央大道

样品名称： 金特抗菌医疗板
样品批号： /
生产日期： 20240219
生产商： /

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样品接收日期： 2024-03-13
检测周期： 2024-03-13 ~ 2024-03-21
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

NBF24-0003570-01

发布日期：2024-03-21

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF24-0003570-0001	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

NBF24-0003570-0001

检测菌种	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (CFU/mL)	6.5×10^5
接种菌液量 (mL)	0.4
U_0	4.18
U_t	5.81
A_t	-0.20
B (CFU/cm ²)	6.4×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.0
*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。
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. R：抗菌活性值， $R=U_t-A_t$ 。
6. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$ ：
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)。
7. 样品前处理：检测前样品经紫外辐照 30 分钟处理。



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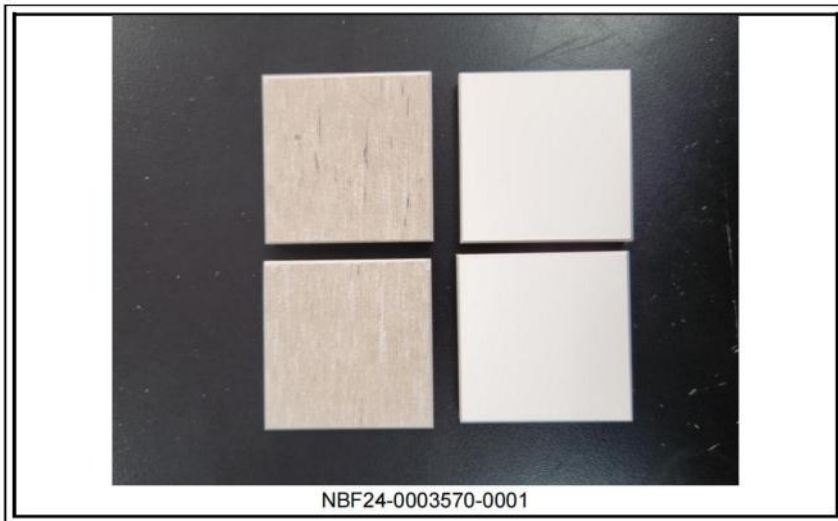
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检测报告

NBF24-0003570-01

发布日期：2024-03-21

样品照片：



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检测报告

编号：XMIN2406000718PL01_CN

日期：2024-07-22

页码：1 of 3



客户名称：宜春市金特建材实业有限公司
客户地址：江西省宜春市袁州区医药工业园中央大道

样品名称：金特抗菌医疗板
生产商：宜春市金特建材实业有限公司
其他信息：样品批号：240128-01
生产日期：2024.01.28

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SGS 参考号：QDF24-0039552-01
收样日期：2024-06-16
测试周期：2024-06-16 ~ 2024-07-18
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）

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赵俊杰

赵俊杰

授权签字人



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检测报告

编号：XMIN2406000718PL01_CN
日期：2024-07-22
页码：2 of 3

检测结果：

样品描述：见照片

测试方法：T/GDTL 011-2020 抗菌、抗病毒涂料。

实验病毒及宿主	实验序号	对照样接种培养 0h 后病毒滴度的 对数值	对照样接种培养 24h 后病毒滴度的 对数值	试样接种培养 24h 后病毒滴度的 对数值
甲型流感病毒 H3N2 ATCC VR-1679, MDCK cell ATCC CCL-34	1	5.80	4.80	1.55
	2	6.05	4.80	1.67
	3	5.92	4.90	1.55
病毒滴度的对数平均值 (lgTCID ₅₀ / cm ²)		U ₀ :5.92	U _i :4.84	A _i :1.59
平均病毒滴度 (TCID ₅₀ / cm ²)		A:8.62×10 ⁵	B: 6.98×10 ⁴	C:39.2
抗病毒活性值		3.25		
抗病毒活性率 (%)		>99.9		

备注：

- 病毒滴度计数方法: TCID₅₀法
对照样：聚乙烯塑料薄膜，由 SGS 实验室提供
对照样的大小、形状、厚度：50mm*50mm, 片状, <1mm
测试样品的大小、形状、厚度：50mm*50mm, 片状, 约 1cm
覆盖膜的大小、形状、厚度：40mm*40mm, 片状, <1mm
耐久性处理：没水浸泡时间 24h，室温干燥，紫外灯照射 100h
消毒方式：75%酒精擦拭
接触时间：24h
接种液体积：0.4mL
接种病毒液滴度:1.58×10⁷TCID₅₀/mL
*抗病毒活性率 (%)计算公式：【(B-C)/B】*100
B: 对照样接种培养 24h 后平均病毒滴度(TCID₅₀/ cm²)
C: 试样接种培养 24h 后平均病毒滴度(TCID₅₀/ cm²)
- 以上检测项目/方法由分包方执行。



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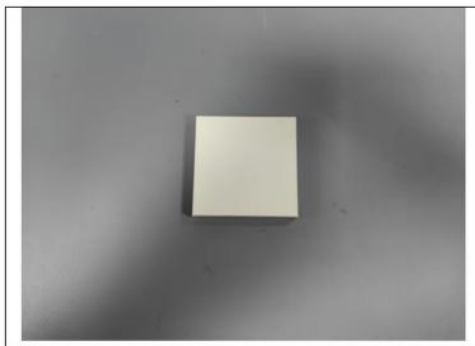
样品：金特医疗抗菌板
结果：甲型流感病毒H3N2型耐久抗病毒活性率 > 99.9%，抗病毒活性值3.25
(耐久处理：没水浸泡时间24h，室温干燥，紫外灯照射100h)



检测报告

编号：XMIN2406000718PL01_CN
日期：2024-07-22
页码：3 of 3

原样照片：



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检测报告

ASH24-0033025-03

发布日期：2024-07-23

客户名称：宜春市金特建材实业有限公司
客户地址：江西省宜春市袁州区医药工业园中央大道

样品名称：金特抗菌医疗板
样品批号：240128-01
生产日期：2024.01.28
生产商：宜春市金特建材实业有限公司

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SGS 相关号：XMIN2405000606PL01
样品接收日期：2024-05-22
检测周期：2024-05-22 ~ 2024-06-07
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

ASH24-0033025-03

发布日期：2024-07-23

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	ASH24-0033025-0001	袋装样品

检测结果：

检测要求：根据客户要求进行检测

检测方法：ISO 21702:2019 塑料和其他非多孔表面抗病毒活性的测定

ASH24-0033025-0001

检测毒种 实验病毒及宿主甲型流感病毒 H3N2 ATCC-VR-1679，细胞 MDCK ATCC-CCL-34

	对照样接种培养 0h 后病毒滴度的对数值 (lgTCID ₅₀ /cm ²)	对照样接种培养 24h 后病毒滴度的 对数值 (lgTCID ₅₀ /cm ²)	测试样接种培养 24h 后病毒滴度的 对数值(lgTCID ₅₀ / cm ²)
样品 1	6.05	5.17	2.30
样品 2	5.92	5.05	2.17
样品 3	6.05	5.05	2.30
病毒滴度的对数平均值 (lgTCID ₅₀ /瓶)	6.01	5.09	2.26
平均病毒滴度 (TCID ₅₀ /瓶)	1.03×10 ⁶	1.24×10 ⁵	1.82×10 ²
抗病毒活性值	2.83		
抗病毒活性率 (%) *	99.9		

备注：

- 病毒滴度计数方法：TCID₅₀ 法
- 对照样：聚乙烯塑料薄膜，由实验室提供
- 对照样的大小、形状、厚度：50mm*50mm，正方形，<1mm
- 测试样的大小、形状、厚度：50mm*50mm，正方形，<10mm
- 覆盖膜的大小、形状、厚度：40mm*40mm，正方形，<1mm
- 测试样前处理：无菌水浸泡 24h，再紫外照射 30min
- 样品接种培养时间：24h
- 接种病毒液体积：0.4mL
- 接种病毒液滴度：1.3×10⁷ TCID₅₀/mL
- *抗病毒活性率 (%) 计算公式：【(B-C)/B】*100
- B：对照样接种培养 24h 后平均病毒滴度(TCID₅₀/cm²)
- C：试样接种培养 24h 后平均病毒滴度(TCID₅₀/cm²)



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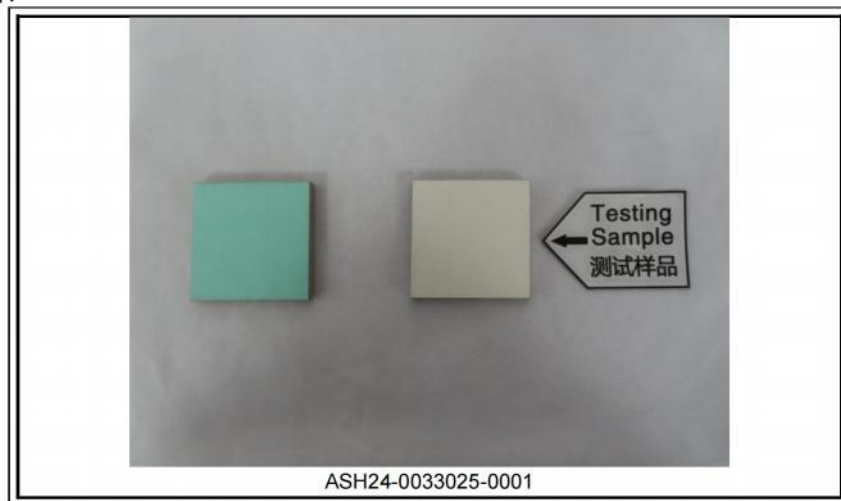
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检测报告

ASH24-0033025-03

发布日期：2024-07-23

样品照片：



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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测报告

REPORT FOR ANALYSIS

报告编号

2025SP00550R02

Report №.

样品名称

多乐士专业内装板之菌净板

Name of Sample

委托单位

阿克苏诺贝尔漆油（上海）有限公司

Applicant

检测类型

Test Type

委托检测

单位地址：广州市先烈中路 100 号大院 66 号楼

Address: Building 66, No.100 Central Xian Li Road, Guangzhou, China

邮政编码：510070

Postcode:

电话号码：(020)87137666

Tel:

传真号码：(020)87137668

Fax:

网 址：www.gddcm.com

Website:

样品：多乐士专业内装板之菌净板
结果：大肠杆菌抗菌率 > 99.9%，金黄色葡萄球菌抗菌率 > 99.9%；
大肠杆菌耐久抗菌率 > 99.9%，金黄色葡萄球菌耐久抗菌率 > 99.9%



广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY 分析检测报告

REPORT FOR ANALYSIS



报告编号 (Report No.) 2025SP00550R02

校验码 (Verification Code): 87KCW2G7

样品名称 Name of Sample	多乐士专业内装板之菌净板	检测类型 Test Type	委托检测
委托单位 Applicant	阿克苏诺贝尔漆油 (上海) 有限公司	地址 Address	上海市松江工业区荣乐东路 536 号
样品来源 Sample Source	委托方送检	样品数量 Sample Quantity	38 块
样品规格和批号 Spec and Lot No of Sample	5×5cm	样品状态和特性 State and Characteristic	块状
接样日期 Sample Received Date	2025-01-15	验讫日期 Completion Date	2025-03-12
检测项目 Item Tested	抗菌性能、抗菌耐久性能		
检测依据和方法 Test Standard and Method	HG/T 3950-2007		
检测结论 Test Conclusion	送检样品所检项目的实测数据见本检测报告续页。 签发日期: 2025-03-12 Issue Date (机构盖章 Official Seal)		
备注 Remarks	生产厂家: 重庆科文绿建新材料科技有限公司; 地址: 重庆市铜梁区东城街道祝英北路 15 号 (由委托方提供)		

生物
检验

制表: 黎嘉珠
Editor

审核: 陈玲
Verifier

批准: 李玄秋
Approver

结果：大肠杆菌抗菌率 > 99.9%，金黄色葡萄球菌抗菌率 > 99.9%；
 大肠杆菌耐久抗菌率 > 99.9%，金黄色葡萄球菌耐久抗菌率 > 99.9%


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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.) : 2025SP00550R02

一、抗菌性能

- 测试方法：HG/T 3950-2007
- 测试结果：

测试微生物	空白对照样品 24h 后平均回收菌数 (cfu/片)	抗菌涂料样品 24h 后平均回收菌数 (cfu/片)	抗 (细) 菌率 (%)	HG/T 3950-2007 标准要求 (I 级)
大肠杆菌 (<i>Escherichia coli</i>) AS1.90	1.1×10^7	<20	>99.9	≥99%
金黄色葡萄球菌 (<i>Staphylococcus aureus</i>) AS1.89	1.4×10^7	<20	>99.9	≥99%

二、抗菌耐久性能

- 测试方法：HG/T 3950-2007
- 样品前处理：采用 1 支 30w，波长为 253.7nm 的紫外灯，距离样品 0.8m，照射 100h
- 测试结果：

测试微生物	空白对照样品 24h 后平均回收菌数 (cfu/片)	抗菌涂料样品 24h 后平均回收菌数 (cfu/片)	抗 (细) 菌率 (%)	HG/T 3950-2007 标准要求 (I 级)
大肠杆菌 (<i>Escherichia coli</i>) AS1.90	1.1×10^7	<20	>99.9	≥95%
金黄色葡萄球菌 (<i>Staphylococcus aureus</i>) AS1.89	1.4×10^7	<20	>99.9	≥95%

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 分析
 专用



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检测
TESTING
CNAS L0823



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
TESTING
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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

编制：
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Date Reported



第 2 页 共 3 页

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)



180011112242



(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)

结果: 过滤效率: 97.4% (标准值 $\geq$ 95%)

呼气阻力: 162 (标准值 $\leq$ 350)

吸气阻力: 159 (标准值 $\leq$ 250)

口罩下方视野: 77 (标准值 $\geq$ 60)

头带: 未断裂或滑脱 (10N, 持续10S)

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

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

第 2 页 共 3 页

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



—以下空白—





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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Testing Center for Antiviral Services Laboratory 中国·上海·宜山路889号3号楼 邮编: 200233 t 400-691-0488 f (86-21) 6140 2547 e sgs.china@sgs.com

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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 H1N1 (A/PR/8/34) MDCK细胞	1	6.87	6.87	2.80	4.08	99.99
	2	6.97	6.80	2.80		
	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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第 2 页 共 2 页



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202019001121



推荐实验室

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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检测
TESTING
CNAS L0823



202019001121



推荐实验室

检测编号: WJ20203094
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 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

报告结束/End of report

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签发日期 (公章):
Date Reported

2020.8.6



第 2 页 共 3 页

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			

If the sampling is not the responsibility of Chemicambiente S.r.l., the latter declines all responsibility for the information relating to sampling as provided by the Customer; the results of the tests refer exclusively to the sample as received. When these data include measurements that impact on the unit of measurement, the results expressed are obtained by processing them. The acceptance data are the responsibility of the Laboratory while the data relating to the sample are marked with a "C" if it is the responsibility of the Customer.

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

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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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第1页, 共4页



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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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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

样品照片:



该照片只针对SGS原始报告

*** 结束 ***

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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

If the sampling is not the responsibility of Chimicambiente S.r.l., the latter declines all responsibility for the information relating to sampling as provided by the Customer; the results of the tests refer exclusively to the sample as received. When these data include measurements that impact on the unit of measurement, the results expressed are obtained by processing them. The acceptance data are the responsibility of the Laboratory while the data relating to the sample are marked with a "C" if it is the responsibility of the Customer.

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.

Partial reproduction of this test report is not permitted without the written authorization of the laboratory.

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%.

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





Test report n° 2100036/01

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: 6.8

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 _c)	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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TESTING
CNAS L0823



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

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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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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

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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

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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:



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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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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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。

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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:



ASH22-050806.001

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

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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: 6.13

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

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	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

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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

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检测
TESTING
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

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NBF23-002688-01



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. U₀: 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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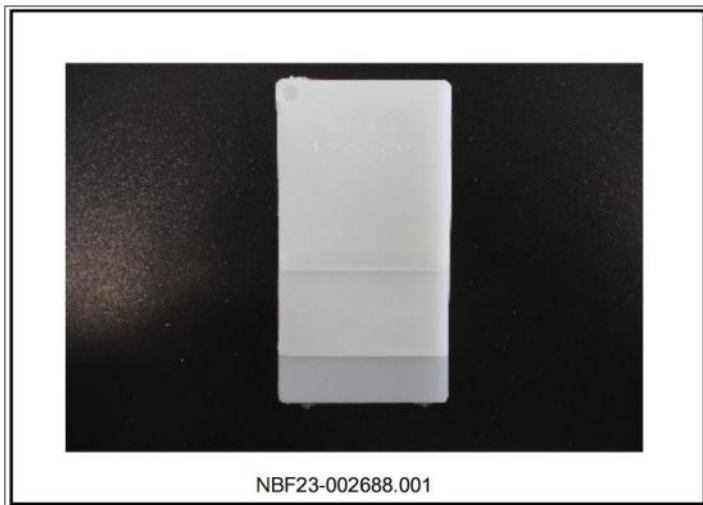
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检测报告

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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Ningbo Branch, Agilent 1260 HPLC Laboratory

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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

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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

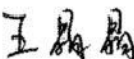
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客户 提供 信息	委托方	福建新嘉南卫生材料有限公司 / 福建省南平市延平区九峰路7号		
	样 品	35g水刺布	商标	---
	货/款/样号	---		
	规格号型	---	安全类别/ 等级	--- / ---
	生产单位	福建新嘉南卫生材料有限公司		
样品描述	1块米黄色无纺布, 状态正常			
样品接收/ 试验日期	2023-11-22/2023-11-27 ~ 2023-12-05		检验类别	委托检验 (送样)
判定依据	GB/T 20944.3-2008 纺织品 抗菌性能的评价 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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发布日期: 2024-05-14

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

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

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		

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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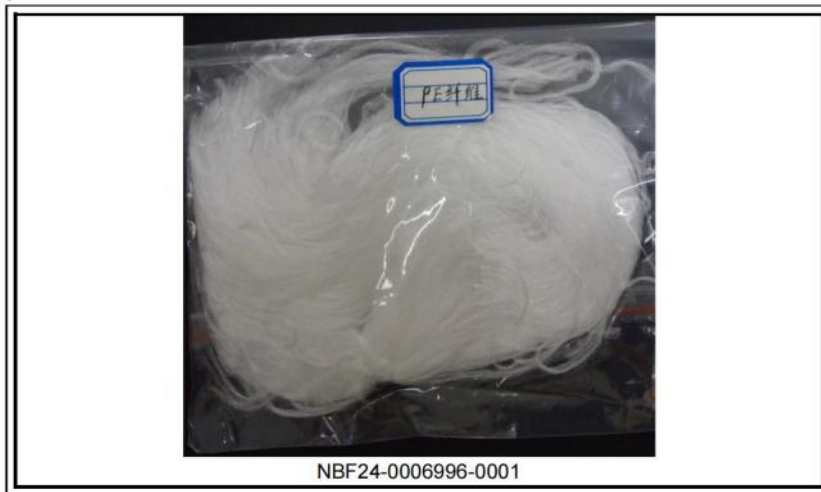
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检测报告

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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检测周期: 2024-05-07 ~ 2024-05-14
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检测结果: 请参见下一页。



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发布日期: 2024-05-14

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

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

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

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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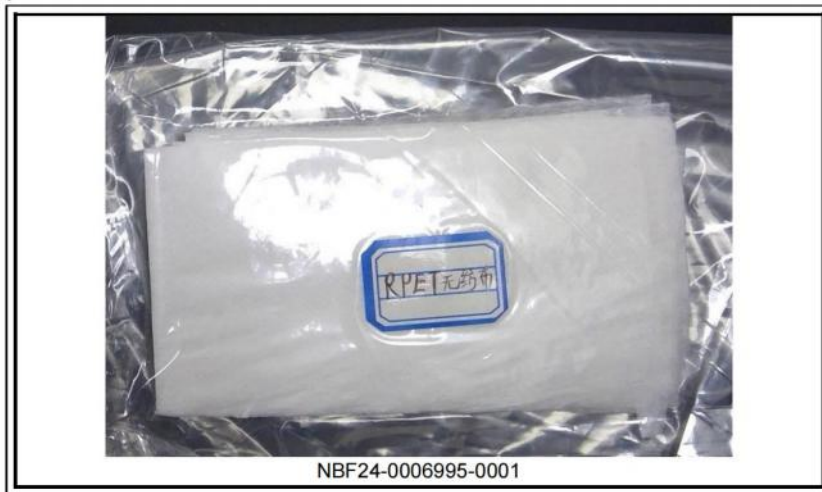
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检测报告

NBF24-0006995-01

发布日期: 2024-05-14

样品照片:



NBF24-0006995-0001

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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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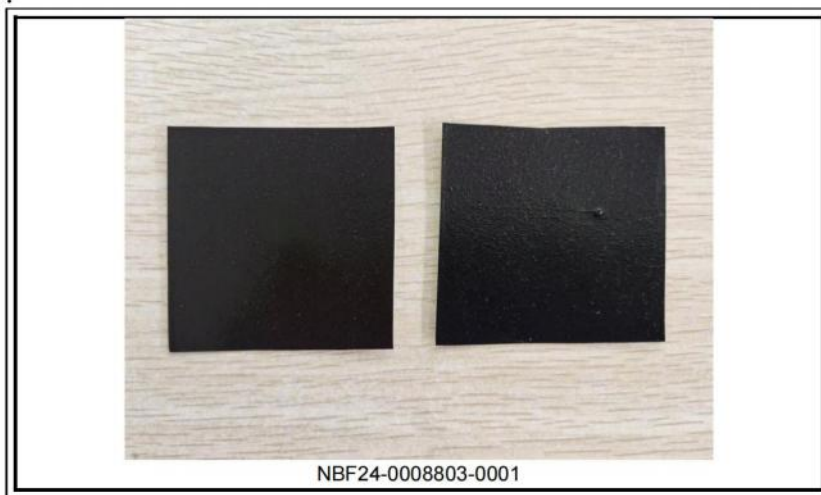
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NBF24-0008803-01

发布日期：2024-05-31

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检测报告

NBF24-0010742-01

发布日期：2024-06-28

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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：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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样品接收日期：2024-06-20
检测周期：2024-06-20 ~ 2024-06-28
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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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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：

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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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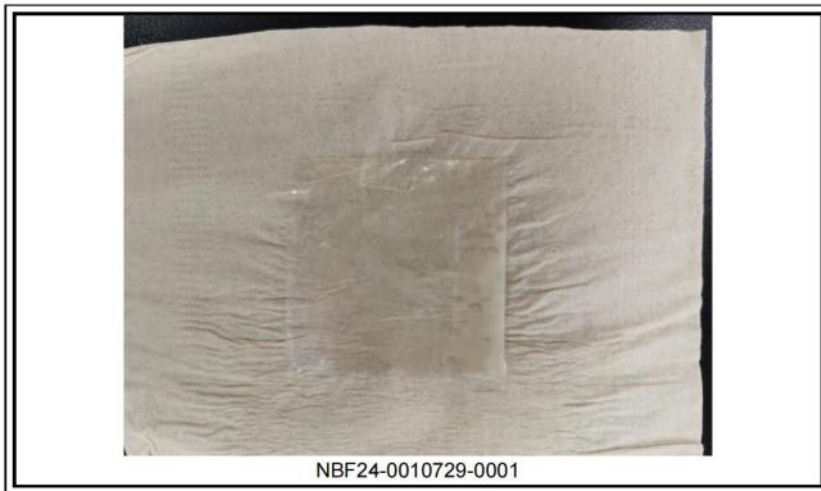


检测报告

NBF24-0010729-01

发布日期：2024-06-28

样品照片：



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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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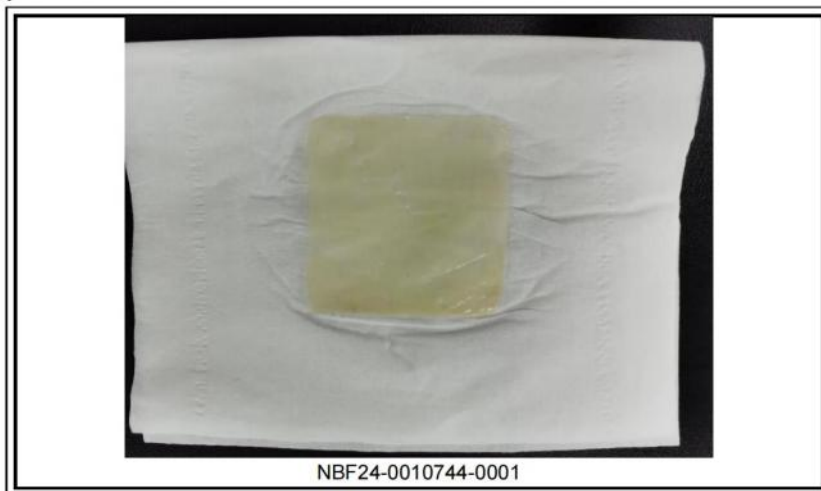
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检测报告

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

NBF24-0010743-01

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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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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检测报告

NBF24-0010743-01

发布日期：2024-06-28

样品照片：



NBF24-0010743-0001

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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
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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



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)；
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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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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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检测报告

ASH24-0041171-01

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	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

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检测前样品经紫外辐照 30 分钟处理。



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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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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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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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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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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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检测报告

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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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
		对照样片组	2.9x10 ⁴	3.3x10 ⁴	0	
		不加样片组	2.7x10 ⁴	3.0x10 ⁴	\	





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
		对照样片组	3.1x10 ⁴	3.5x10 ⁴	0	
		不加样片组	2.9x10 ⁴	3.1x10 ⁴	\	
	3	被试样片组	1.6x10 ⁴	2.1x10 ²	99	99
		对照样片组	3.3x10 ⁴	3.7x10 ⁴	0	
		不加样片组	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。

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检测报告

NBF25-0003432-02

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
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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：周梓炯。

备注：

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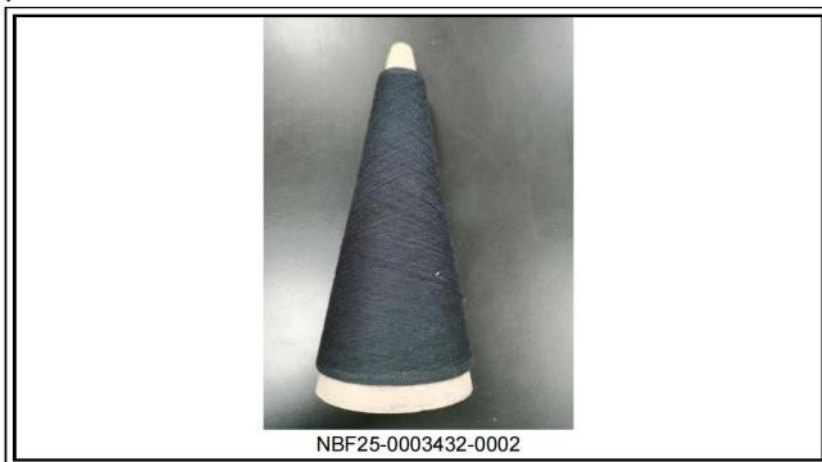
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检测报告

NBF25-0003432-02

发布日期：2025-03-11

样品照片：



NBF25-0003432-0002

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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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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：

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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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CNAS L0823



201719001121

广州市微生物研究所

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

TEST REPORT



报告编号	WJ20200502
样品名称	瑜伽垫
委托单位	浙江可可萌婴童用品有限公司



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国际互认
检测
TESTING
CNAS L0823



检测编号：WJ20200502

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03月17日
Date Received

检测日期：2020年03月24日
Date Analyzed

样品名称 Name of Sample	瑜伽垫	样品来源 Source of Sample	送样
委托单位 Applicant	浙江可可萌宠童用品有限公司	委托方编号 Client Number	—
生产单位 Manufacturer	—	商标 Brand	—
型号规格 Type and Specification	—	样品数量 Quantity of Sample	1份
生产日期 Date of Production	—	样品状态 State of Sample	片状
生产批号 Batch Number	—	样品包装 Packing of Sample	—
检验依据和方法 Standard and Methods	GB/T 31402-2015 塑料 塑料表面抗菌性能试验方法		
检测项目 Items of Analysis	1.抗菌效果（大肠杆菌 ATCC 8739、金黄色葡萄球菌 ATCC 6538P） 2.抗菌率（大肠杆菌 ATCC 8739、金黄色葡萄球菌 ATCC 6538P）*		
备注 Remarks	—		

根据客户要求，增加抗菌率，计算公式如下：

*抗菌率 = $(C_0 - T_0) / C_0$

C_0 : 24h 对照样活菌数均值 (CFU/cm²)

T_0 : 24h 试样活菌数均值 (CFU/cm²)

检测结果：

Test Results

样品编号	试验菌种	0h 对照样 活菌数均值 (CFU/cm ²)	24h 对照样 活菌数均值 (CFU/cm ²)	24h 试样 活菌数均值 (CFU/cm ²)	抗菌 性能值	抗菌率 (%)
WJ20200502-1	大肠杆菌	2.1×10^4	6.7×10^6	0.63	7.0	99.9
	金黄色葡萄球菌	2.0×10^4	5.3×10^5	0.63	5.9	99.9

报告结束/End of report

编制
Editor

审核
Checker

签发
Issuer

签发日期
Date Reported

2020.4.7





检测报告

ASH21-037716-01

发布日期: 2021年06月21日

客户名称: 厦门欣翔友工贸有限公司
客户地址: 福建省厦门市西柯思明园十号五楼

样品名称: 一种抑菌泵头
生产商: 厦门欣翔友工贸有限公司
样品批号: /
生产日期: 2021/04/01

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: NBAFL202100876854
样品接收日期: 2021年06月10日
检测周期: 2021年06月10日 - 2021年06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

本报告以中文为准。

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检测报告

ASH21-037716-01

发布日期: 2021年06月21日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH21-037716.001	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

ASH21-037716.001

检测菌种	大肠杆菌 ATCC 8739	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	7.0x10 ⁵	5.4x10 ⁵
接种菌液量 (mL)	0.4	0.4
U ₀	4.22	4.11
U _t	6.26	6.01
A _t	1.45	1.48
B (cells/cm ²)	1.8x10 ⁶	1.0x10 ⁶
C (cells/cm ²)	28	30
抗菌活性值R	4.8	4.5
*抗菌率 (%)	>99.9	>99.9

备注:

1. 对照样为无抗菌性能塑料膜, 由SGS实验室提供。
2. U₀: 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: 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】*100%;
7. B: 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. 样品前处理: 用70%酒精拭擦样品表面, 无菌水冲洗, 自然晾干。
10. 测试任意面。



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检测报告

ASH21-037716-01

发布日期: 2021年06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

ASH21-050519-01

发布日期: 2021年08月05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: 固态硅胶揉面垫
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: SK1N06
生产日期: 2021/07/12
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: NBAFL202101205176
样品接收日期: 2021年07月28日
检测周期: 2021年07月28日 - 2021年08月04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

ASH21-050519-01

发布日期: 2021年08月05日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH21-050519.001	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

ASH21-050519.001

检测菌种	大肠杆菌 ATCC 8739	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	8.2x10 ⁵	8.6x10 ⁵
接种菌液量 (mL)	0.4	0.4
U ₀	4.29	4.31
U _t	6.36	5.88
A _t	3.89	3.85
B (cells/cm ²)	2.3x10 ⁶	7.6x10 ⁵
C (cells/cm ²)	7.7x10 ³	7.0x10 ³
抗菌活性值R	2.5	2.0
*抗菌率 (%)	99.7	99.1

备注:

1. 对照样为无抗菌性能塑料膜, 由SGS实验室提供。
2. U₀: 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: 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】*100%;
7. B: 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. 样品前处理: 用70%酒精拭擦样品表面, 无菌水冲洗, 自然晾干。
10. 测试光滑面。



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检测报告

ASH21-050519-01

发布日期: 2021年08月05日

样品照片:



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检测报告

ASH21-040719-03

发布日期: 2021年08月23日

客户名称: 福建帕柯斯立德校具有限公司
客户地址: 福建省福州市晋安区福光路61号

样品名称: 课桌
生产商: 福建帕柯斯立德校具有限公司
样品批号: UNI007
生产日期: 2021/06/18
目的地/国: 中国
供应商: 福建帕柯斯立德校具有限公司

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SGS相关号: O-NBAFL202100979911
样品接收日期: 2021年06月22日
检测周期: 2021年06月22日 - 2021年06月30日
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检测方法: 请参见下一页
检测结果: 请参见下一页

检测报告出具后客户要求更改“客户名称”, “生产商”, “供应商”信息。

该检测报告取代由通标标准技术服务(上海)有限公司发布的检测报告 编号: ASH21-040719-01。原报告作废。

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。



ASH21-040719-03

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检测报告

ASH21-040719-03

发布日期: 2021年08月23日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH21-040719.001	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

ASH21-040719.001

检测菌种	大肠杆菌 ATCC 8739	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	4.3x10 ⁵	4.1x10 ⁵
接种菌液量 (mL)	0.4	0.4
U ₀	4.04	3.98
U _t	5.81	5.72
A _t	2.72	3.52
B (cells/cm ²)	6.4x10 ⁵	5.2x10 ⁵
C (cells/cm ²)	5.2x10 ²	3.3x10 ³
抗菌活性值R	3.1	2.2
*抗菌率 (%)	99.9	99.4

备注:

1. 对照样为无抗菌性能塑料膜, 由SGS实验室提供。
2. U₀: 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: 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 $[(B-C)/B] \times 100\%$;
B: 对照样接种后24 h的菌数的平均值(cells/cm²);
C: 样品接种后24 h的菌数的平均值(cells/cm²)。
7. 样品前处理: 用70%酒精拭擦样品表面, 无菌水冲洗, 自然晾干。
8. 检测外面。



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检测报告

ASH21-040719-03

发布日期: 2021年08月23日

样品照片:



该照片只针对SGS原始报告

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检测报告

ASH21-040719-04

发布日期: 2021年08月23日

客户名称: 福建帕柯斯立德校具有限公司
客户地址: 福建省福州市晋安区福光路61号

样品名称: 椅子
生产商: 福建帕柯斯立德校具有限公司
样品批号: PP-0015
生产日期: 2021/06/18
目的地/国: 中国
供应商: 福建帕柯斯立德校具有限公司

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: O-NBAFL202100979911
样品接收日期: 2021年06月22日
检测周期: 2021年06月22日 - 2021年06月30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

检测报告出具后客户要求更改“客户名称”, “生产商”, “供应商”信息。

该检测报告取代由通标标准技术服务(上海)有限公司发布的检测报告 编号: ASH21-040719-02。原报告作废。

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。



ASH21-040719-04

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检测报告

ASH21-040719-04

发布日期: 2021年08月23日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH21-040719.002	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

ASH21-040719.002

检测菌种	大肠杆菌 ATCC 8739	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	4.3x10 ⁵	4.1x10 ⁵
接种菌液量 (mL)	0.4	0.4
U ₀	4.04	3.98
U _t	5.81	5.72
A _t	2.68	3.42
B (cells/cm ²)	6.4x10 ⁵	5.2x10 ⁵
C (cells/cm ²)	4.8x10 ²	2.6x10 ³
抗菌活性值R	3.1	2.3
*抗菌率 (%)	99.9	99.5

备注:

1. 对照样为无抗菌性能塑料膜, 由SGS实验室提供。
2. U₀: 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: 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】*100%;
7. B: 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. 样品前处理: 用70%酒精拭擦样品表面, 无菌水冲洗, 自然晾干。
10. 检测外面。



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检测报告

ASH21-040719-04

发布日期: 2021年08月23日

样品照片:



该照片只针对SGS原始报告

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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	WJ20214271
样 品 名 称	抗菌手机钢化玻璃膜
委 托 单 位	深圳市洁康生活科技有限公司



中国认可
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CNAS L0823



202019005395



推荐实验室

检测编号：WJ20214271

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 11 月 15 日
Date Received

检测日期：2021 年 11 月 16 日
Date Analyzed

样品名称 Name of Sample	抗菌手机钢化玻璃膜	样品来源 Source of Sample	送样
委托单位 Applicant	深圳市洁康生活科技有限公司	委托方编号 Client Number	——
生产单位 Manufacturer	深圳市诺米实业有限公司	商标 Brand	诺米 飞毛腿
型号规格 Type and Specification	——	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	——	样品状态 State of Sample	——
生产批号 Batch Number	——	样品包装 Packing of Sample	——
检验依据和方法 Standard and Methods	JC/T 1054-2007 镀膜抗菌玻璃		
检测项目 Items of Analysis	抗菌性能（金黄色葡萄球菌 AS1.89）		
备注 Remarks	——		

检测结果：
Test Results

样品编号	作用 时间	试验 菌种	阴性对照样菌 落数(cfu/片)	空白样菌落 数(cfu/片)	试验样菌落数 (cfu/片)	抗菌率(%)
WJ20214271-1	24h	金黄色葡萄球菌	3.5×10^7	4.6×10^7	<100	>99

报告结束/End of report

编制：
Editor

钟伟玲

审核：
Checker

黄洁娜

签发：
Issuer

李平

签发日期（公章）：
Date Reported



第 2 页 共 3 页



检测报告

ASH22-000405-01

发布日期: 2022年01月10日

客户名称: 中和正源(福建)健康科技有限公司
客户地址: 福建省福州市鼓楼区温泉街道东大路36号花开富贵1#楼A座13B室

样品名称: 冠捷科技-ABS塑料
生产商: 宁波市帕柯斯塑料科技有限公司
样品批号: UNI007-01023%
生产日期: 2022/01/01
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: NBAFL202200011411
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10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

ASH22-000405-01

发布日期: 2022年01月10日

检测样品描述:

样品编号	SGS样品ID	描述
1	ASH22-000405.001	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

ASH22-000405.001

检测菌种	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (cells/mL)	5.1x10 ⁵
接种菌液量 (mL)	0.4
U ₀	4.08
U _t	5.04
A _t	3.91
B (cells/cm ²)	1.1x10 ⁵
C (cells/cm ²)	8.3x10 ³
抗菌活性值R	1.1
*抗菌率 (%)	92.5

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. U₀: 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 $[(B-C)/B] \times 100\%$;
B: 未处理对照样接种后24 h的菌数的平均值(cells/cm²);
C: 样品接种后24 h的菌数的平均值(cells/cm²)。
7. 样品前处理: 紫外辐照30分钟处理。



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检测报告

ASH22-000405-01

发布日期: 2022年01月10日

样品照片:



该照片只针对SGS原始报告

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CNAS L0823



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	WJ20221654
样品名称	抗菌牙刷柄
委托单位	



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国际互认
检测
TESTING
CNAS L0823



推荐实验室

检测编号：WJ20221654
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：2022 年 5 月 16 日
Date Received

检测日期：2022 年 5 月 17 日
Date Analyzed

样品名称 Name of Sample	抗菌牙刷柄	样品来源 Source of Sample	送样
委托单位 Applicant		委托方编号 Client Number	—
生产单位 Manufacturer	—	商标 Brand	—
型号规格 Type and Specification	—	样品数量 Quantity of Sample	1 份
生产日期 Date of Production	—	样品状态 State of Sample	袋装物
生产批号 Batch Number	—	样品包装 Packing of Sample	—
检验依据和方法 Standard and Methods	ASTM E 2149-2020 在动态接触条件下固定抗菌剂抗菌活性测定的标准试验方法		
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	未经处理试样由委托方提供。		

检测结果： Test Results

样品编号	作用时间	试验菌种	阴性烧瓶中 作用后的活菌数 (CFU/mL)	未经处理试样 活菌数 (CFU/mL)	抗菌处理样品 作用后的活菌数 (CFU/mL)	减少率 (%)
WJ20221654-1	24h	大肠杆菌	2.2×10^5	2.0×10^6	3.7×10^3	99.82
		金黄色葡萄球菌	2.0×10^5	3.9×10^4	<1	>99.99

报告结束/End of report

编制：
Editor

钟伟玲

审核：
Checker

李洁明

签发：
Issuer

李洁明

签发日期（公章）
Date Reported



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MA

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CNAS L0167

检测报告

GZF23-009925-01

发布日期: 2023年04月06日

客户名称: 厦门通标标准技术有限公司
客户地址: 厦门市湖里区湖里街道湖里社区湖里路1111号

样品名称: 空白碗
生产商: /
样品批号: /
生产日期: 2023.03.24
样品其他信息: 样品1
目的地/国: /
买家: /
供应商: /
代理商: /

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: XMF23-002589.001
样品接收日期: 2023年03月31日
检测周期: 2023年03月31日 - 2023年04月06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



GZF23-009925-01

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检测报告

GZF23-009925-01

发布日期: 2023年04月06日

检测样品描述:

样品编号	SGS样品ID	描述
1	GZF23-009925.001	块状样品

检测结果:

检测要求: 抗菌效果实验

检测方法: GB/T 31402-2015 塑料-塑料表面抗菌性能试验方法

GZF23-009925.001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	3.6×10^5
接种菌液量 (mL)	0.2
U ₀	3.91
U _t	5.07
A _t	0.05
B (CFU/cm ²)	1.2×10^5
C (CFU/cm ²)	<1.11
R	5.0
*抗菌率 (%)	>99.9

备注:

- GB/T 31402-2015 使用翻译法等同采用 ISO 22196:2007 《塑料 塑料表面抗菌性能试验方法》。
- 未经抗菌处理试样为无抗菌性能塑料膜，由 SGS 实验室提供。
- U₀: 未经抗菌处理试样接种后即时菌数(CFU/cm²)的对数平均值。
- U_t: 未经抗菌处理试样接种后24 h 的菌数(CFU/cm²)的对数平均值。
- A_t: 经抗菌处理试样接种后24 h 的菌数(CFU/cm²)的对数平均值。
- R: 抗菌性能值， $R = U_t - A_t$ 。
- *抗菌率由公式 $[(B - C) / B] \times 100\%$ 计算所得；
- B: 未经抗菌处理试样接种后24 h 的菌数的平均值(CFU/cm²)；
- C: 经抗菌处理试样接种后24 h 的菌数的平均值(CFU/cm²)。
- 样品前处理: 用70%酒精拭擦样品表面，无菌水冲洗，自然晾干
- 样品尺寸: 直径为5.5cm的圆



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SGS CSTC (China) Technical Services Co., Ltd.
Guangzhou Branch Testing Laboratory for Food Laboratory

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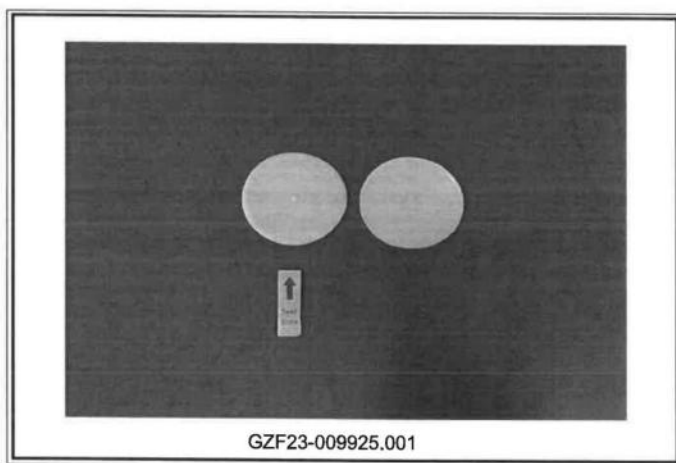
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检测报告

GZF23-009925-01

发布日期: 2023年04月06日

样品照片:



GZF23-009925.001

该照片只针对SGS原始报告

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Guangzhou Branch

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CNAS L0599

检测报告

编号: SHAAF23021187702

日期: 2023年12月21日

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客户地址: 福建省福州市台江区鳌峰街道曙光支路132号申发大厦27层07办公

样品名称: 20L可折叠水袋
制造商: 福州市帕柯斯新材料有限公司
批号: PASD20LF
客户参考信息: 品牌: 帕柯斯
以上样品及信息由客户提供。

SGS工作编号: O-NBAFL202302436372 ASH23-0065935
收样日期: 2023年12月15日
检测周期: 2023年12月15日~2023年12月21日
检测要求: 根据客户要求检测。
检测方法: 见后续页。
检测结果: 见后续页。

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检测报告

编号: SHAAF23021187702

日期: 2023 年 12 月 21 日

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	检测要求	说明
1	GB 4806.7-2016 - 感官(外观: 色泽正常,无异味、不洁物等)	符合
2	GB 4806.7-2016 - 感官(浸泡液: 迁移试验所得浸泡液无浑浊、沉淀、异味等感官性的劣变)	符合
3	GB 4806.7-2016 - 总迁移量	符合
4	GB 4806.7-2016 - 高锰酸钾消耗量	符合
5	GB 4806.7-2016 - 重金属(以 Pb 计)	符合



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检测报告

编号: SHAAF23021187702

日期: 2023 年 12 月 21 日

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检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述	材料 (客户提供)
SN1	A1	SHA23-0211877-0001.C001	半透明塑料水袋	LDPE

备注:

- (1) mg/dm^2 = 毫克每平方分米
 mg/inch^2 = 毫克每平方英寸
 $\mu\text{g/cm}^2$ = 微克每平方厘米
 mg/L = 毫克每升
 mg/kg = 毫克每千克
- (2) $^{\circ}\text{C}$ = 摄氏度
 $^{\circ}\text{F}$ = 华氏度
- (3) < = 小于
- (4) RL = 报告检出限
- (5) ND = 未检出 (< RL)。

面积体积比

样品编号	总迁移
A1	6.0 dm^2/kg

GB 4806.7-2016 - 总迁移量

检测方法: GB 31604.8-2021。

模拟液	迁移次数	检测条件	限值	单位	RL	A1	说明
10%乙醇(V/V)	第三次	70 $^{\circ}\text{C}$, 2 hrs	10	mg/dm^2	3.0	ND	符合

备注:

- (1) 检测条件和模拟液由客户指定。

GB 4806.7-2016 - 高锰酸钾消耗量

检测方法: GB 31604.2-2016。

模拟液	迁移次数	检测条件	限值	单位	RL	A1	说明
去离子水	第三次	60 $^{\circ}\text{C}$, 2 hrs	10	mg/kg	1	ND	符合

GB 4806.7-2016 - 重金属(以 Pb 计)



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检测报告

编号: SHAAF23021187702

日期: 2023 年 12 月 21 日

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检测方法: GB 31604.9-2016 第一法。

模拟液	迁移次数	检测条件	限值	单位	A1	说明
4%乙酸(V/V)	第三次	60°C, 2 hrs	1	mg/kg	<1	符合

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。

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检测报告

编号：SHAAF23021187702

日期：2023 年 12 月 21 日

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检测
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CNAS L0599

检测报告

ASH23-0068404-01

发布日期: 2024-01-02

客户名称: 福州市帕柯斯新材料有限公司
客户地址: 福建省福州市台江区鳌峰街道曙光支路 132 号申发大厦 27 层 07 办公

样品名称: 20L 可折叠水袋
样品批号: PASD20LF
生产日期: /
生产商: 福州市帕柯斯新材料有限公司
样品其他信息: 品牌: 帕柯斯

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样品接收日期: 2023-12-27
检测周期: 2023-12-27 ~ 2024-01-02
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

ASH23-0068404-01

发布日期: 2024-01-02

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	ASH23-0068404-0001	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

ASH23-0068404-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	7.7×10^5
接种菌液量 (mL)	0.4
U_0	4.26
U_t	6.19
A_t	3.11
B (CFU/cm ²)	1.5×10^6
C (CFU/cm ²)	1.3×10^3
抗菌活性值 R	3.1
*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. R: 抗菌活性值, $R = U_t - A_t$ 。
6. *抗菌率(%)计算公式为 $[(B-C)/B] \times 100\%$:
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)。
7. 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

ASH23-0068404-01

发布日期：2024-01-02

样品照片：



ASH23-0068404-0001

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检测报告

NBF24-0007103-01

发布日期：2024-05-14

客户名称：蜜曰科技(北京)有限公司
客户地址：北京市朝阳区广渠路 98 号 J9 栋一层 101 室

样品名称：智能健康按摩器-小怪兽 Pro2 抑菌版
样品批号：MP-2-2404-A
生产日期：2024/5/6
生产商：蜜曰科技(北京)有限公司
供应商：蜜曰科技(北京)有限公司
目的地：中国

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样品接收日期：2024-05-08
检测周期：2024-05-08 ~ 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

NBF24-0007103-01

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	NBF24-0007103-0001	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 31402-2015 塑料-塑料表面抗菌性能试验方法

NBF24-0007103-0001

检测菌种	白色念珠菌 ATCC 10231
接种菌液浓度 (CFU/mL)	3.8×10^5
接种菌液量 (mL)	0.4
U_0	3.92
U_t	5.81
A_t	-0.20
B (CFU/cm ²)	6.5×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.0
*抗菌率 (%)	>99.9

备注：

- GB/T 31402-2015 使用翻译法等同采用 ISO 22196:2007《塑料 塑料表面抗菌性能试验方法》。
- 未经抗菌处理试样为无抗菌性能塑料膜，由 SGS 实验室提供。
- U_0 ：未经抗菌处理试样接种后即时菌数(CFU/cm²)的对数平均值。
- U_t ：未经抗菌处理试样接种后 24 h 的菌数(CFU/cm²)的对数平均值。
- A_t ：经抗菌处理试样接种后 24 h 的菌数(CFU/cm²)的对数平均值。
- R：抗菌性能值， $R=U_t-A_t$ 。
- *抗菌率由公式【(B-C)/B】x100% 计算所得；
B：未经抗菌处理试样接种后 24 h 的菌数的平均值(CFU/cm²)；
C：经抗菌处理试样接种后 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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Ningbo Branch Agency for Food Laboratory

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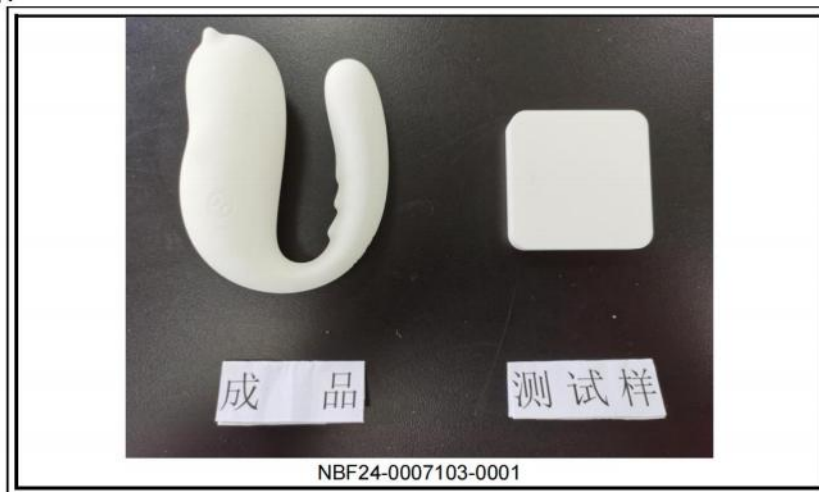
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检测报告

NBF24-0007103-01

发布日期：2024-05-14

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检测报告

NBF24-0009021-01

发布日期：2024-06-04

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： 抗菌硅胶管
样品批号： /
生产日期： 240520
生产商： /

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检测周期： 2024-05-27 ~ 2024-06-04
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检测报告

NBF24-0009021-01

发布日期：2024-06-04

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF24-0009021-0001	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

NBF24-0009021-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	3.8×10^5
接种菌液量 (mL)	0.4
U_0	3.93
U_t	6.12
A_t	-0.20
B (CFU/cm ²)	1.3×10^6
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.3
*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)	0.4
U_0	3.96
U_t	5.82
A_t	-0.20
B (CFU/cm ²)	6.5×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.0
*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。
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 Agency for Food Laboratory

NO.3, NO.4 Building Lingyun Industry Park, No.1177 Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, China 315040 t 400-691-0488 f (86-574) 8752 9318 www.sgs.com sgs.china@sgs.com
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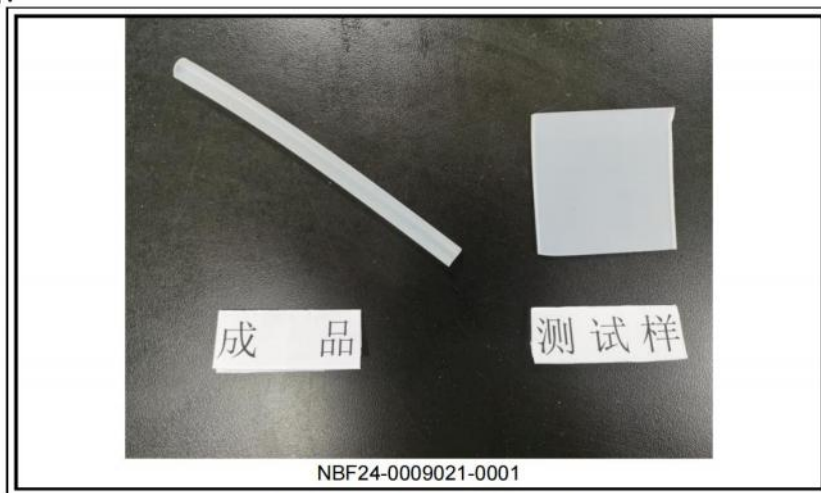
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检测报告

NBF24-0009021-01

发布日期：2024-06-04

样品照片：



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TESTING
CNAS L0599

检测报告

编号：SHAAF24012828201

日期：2024 年 06 月 24 日

第 1 页，共 5 页

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

样品名称： 抗菌硅胶管
生产日期： 240520
以上样品及信息由客户提供。

SGS 工作编号： O-NBAFL202401266318 ASH24-0039261
收样日期： 2024 年 06 月 14 日
检测周期： 2024 年 06 月 14 日 ~ 2024 年 06 月 24 日
检测要求： 根据客户要求检测。
检测方法： 见后续页。
检测结果： 见后续页。

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兰柳珍

Jenny Lan 兰柳珍
批准签署人

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检测报告 编号：SHAAF24012828201 日期：2024 年 06 月 24 日 第 2 页，共 5 页

	检测要求	说明
1	GB 4806.11-2016 - 感官(外观：色泽正常,无异臭、污物)	符合
2	GB 4806.11-2016 - 感官(浸泡液：迁移试验所得浸泡液不应有着色、浑浊、沉淀、异臭等感官性的劣变)	符合
3	GB 4806.11-2016 - 总迁移量	符合
4	GB 4806.11-2016 - 高锰酸钾消耗量	符合
5	GB 4806.11-2016 - 重金属(以 Pb 计)	符合



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检测报告

编号：SHAAF24012828201

日期：2024 年 06 月 24 日

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检测结果：

检测部件外观描述：

样品序号	样品编号	SGS 样品 ID	样品描述	材料（客户提供）
SN1	A1	SHA24-0128282-0001.C001	半透明固体片	硅胶

备注：

- (1) mg/dm^2 = 毫克每平方米
 mg/inch^2 = 毫克每平方英寸
 $\mu\text{g/cm}^2$ = 微克每平方厘米
 mg/L = 毫克每升
 mg/kg = 毫克每千克
- (2) $^{\circ}\text{C}$ = 摄氏度
 $^{\circ}\text{F}$ = 华氏度
- (3) < = 小于
- (4) RL = 报告检出限
- (5) ND = 未检出 (< RL)。

面积体积比

样品编号	总迁移
A1	6.0 dm^2/kg

GB 4806.11-2016 - 总迁移量

检测方法： GB 31604.8-2021。

模拟液	迁移次数	检测条件	限值	单位	RL	A1	说明
10%乙醇(V/V)	第三次	40 $^{\circ}\text{C}$, 24 hrs	10	mg/dm^2	3.0	ND	符合

备注：

- (1) 检测条件和模拟液由客户指定。

GB 4806.11-2016 - 高锰酸钾消耗量

检测方法： GB 31604.2-2016。

模拟液	迁移次数	检测条件	限值	单位	RL	A1	说明
去离子水	第三次	60 $^{\circ}\text{C}$, 0.5 hr	10	mg/kg	1	ND	符合

GB 4806.11-2016 - 重金属(以 Pb 计)



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检测报告 编号：SHAAF24012828201 日期：2024 年 06 月 24 日 第 4 页，共 5 页
检测方法： GB 31604.9-2016 第一法。

模拟液	迁移次数	检测条件	限值	单位	A1	说明
4%乙酸(V/V)	第三次	60°C, 0.5 hr	1	mg/kg	<1	符合

除非另有说明，参照 ILAC-G8:09/2019，使用简单接受（w=0）的二元判定规则进行符合性判定。
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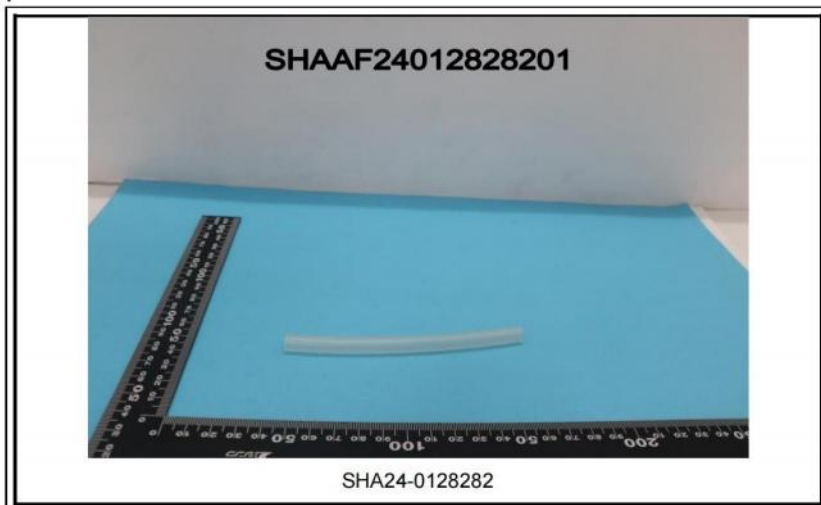
检测报告

编号：SHAAF24012828201

日期：2024 年 06 月 24 日

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Testing Center - China Branch

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检测报告

ASH24-0039256-03

发布日期：2024-06-25

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： 抗菌硅胶管
样品批号： /
生产日期： 240520
生产商： /

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样品接收日期： 2024-06-12
检测周期： 2024-06-12 ~ 2024-06-25
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

ASH24-0039256-03

发布日期：2024-06-25

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	ASH24-0039256-0001	袋装样品

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

ASH24-0039256-0001

检测菌种	铜绿假单胞菌 ATCC 9027
接种菌液浓度 (CFU/mL)	3.3×10^5
接种菌液量 (mL)	0.4
U_0	3.90
U_t	5.72
A_t	-0.20
B (CFU/cm ²)	5.3×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	5.9
*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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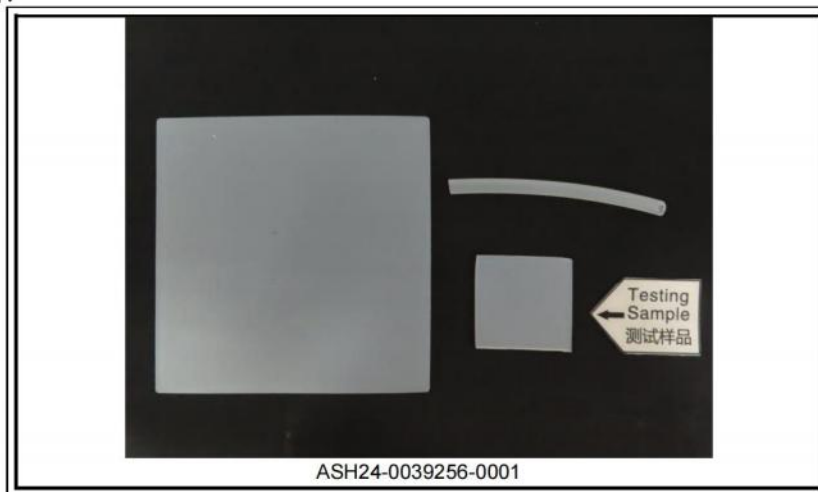
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检测报告

ASH24-0039256-03

发布日期：2024-06-25

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CNAS L0599

检测报告

ASH24-0039256-04

发布日期：2024-06-25

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： 抗菌硅胶管
样品批号： /
生产日期： 240520
生产商： /

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： 2024-06-12
检测周期： 2024-06-12 ~ 2024-06-25
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

ASH24-0039256-04

发布日期：2024-06-25

检测样品描述：

样品编号	SGS 样品 ID	样品描述
2	ASH24-0039256-0002	袋装样品

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

ASH24-0039256-0002

检测菌种	大肠杆菌 8099
接种菌液浓度 (CFU/mL)	5.4×10^5
接种菌液量 (mL)	0.4
U_0	4.11
U_t	5.33
A_t	-0.20
B (CFU/cm ²)	2.1×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	5.5
*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：根据客户要求，对送检样品先进行耐久性处理（JC/T 939-2004）后经紫外辐照 30 分钟处理。



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样品：抗菌硅胶管（桶装水进水管）
结果：大肠杆菌耐久抗菌率 > 99.9%，抗菌活性值 5.5
（耐久处理：50度蒸馏水浴浸泡 16h）

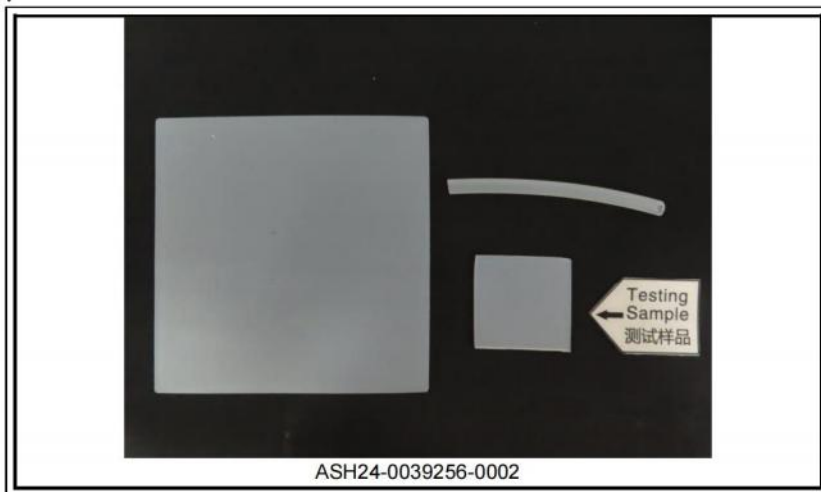
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ASH24-0039256-04

发布日期：2024-06-25

样品照片：



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检测报告

ASH24-0056011-01

发布日期: 2024-08-19

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132号申发大厦27层07办公350009

样品名称: TPU砧板2.0
样品批号: 240806
生产日期: 240806
生产商: /

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样品接收日期: 2024-08-12
检测周期: 2024-08-12 ~ 2024-08-19
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

ASH24-0056011-01

发布日期: 2024-08-19

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	ASH24-0056011-0001	袋装样品

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

ASH24-0056011-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	4.7×10^5
接种菌液量 (mL)	0.4
U_0	4.03
U_t	6.03
A_t	3.04
B (CFU/cm ²)	1.1×10^6
C (CFU/cm ²)	1.1×10^3
抗菌活性值 R	3.0
*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。
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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检测报告

ASH24-0063007-01

发布日期：2024-09-12

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 03-4 单元

样品名称：食品级 TPU 膜材
样品批号：240806
生产日期：240806
生产商：/

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检测报告

ASH24-0063007-01

发布日期：2024-09-12

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	ASH24-0063007-0001	袋装样品

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

ASH24-0063007-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	3.9×10^5
接种菌液量 (mL)	0.4
U_0	3.99
U_t	6.26
A_t	-0.20
B (CFU/cm ²)	1.8×10^6
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.5
*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。
7. 根据客户要求，对送检样品的光滑面进行检测。



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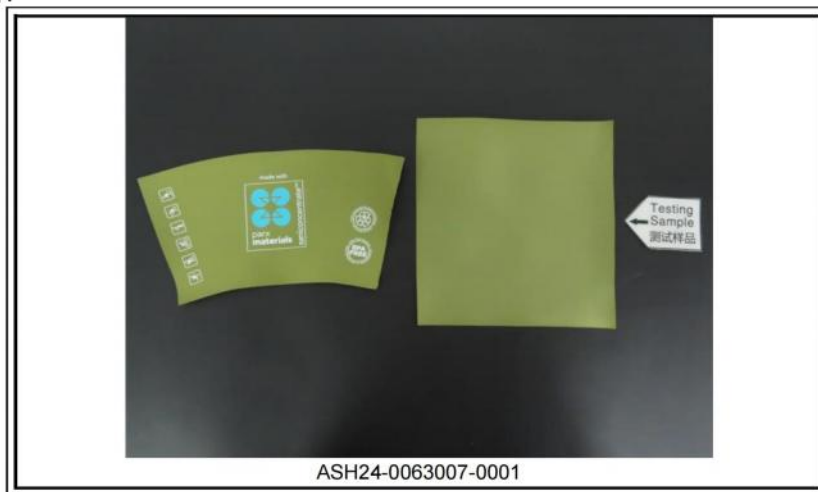
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检测报告

ASH24-0063007-01

发布日期：2024-09-12

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检测报告

ASH24-0082863-01

发布日期: 2024-11-26

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03-4单元

样品名称: TPU砧板3.0
样品批号: 241112
生产日期: 241112
生产商: /

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样品接收日期: 2024-11-18
检测周期: 2024-11-18 ~ 2024-11-26
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

ASH24-0082863-01

发布日期: 2024-11-26

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	ASH24-0082863-0001	袋装样品

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 塑料和其他无孔材料表面抗菌活性的测定

ASH24-0082863-0001

检测菌种	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (CFU/mL)	2.5×10^5
接种菌液量 (mL)	0.4
U_0	3.85
U_t	4.89
A_t	-0.20
B (CFU/cm ²)	7.8×10^4
C (CFU/cm ²)	<0.63
抗菌活性值 R	5.1
*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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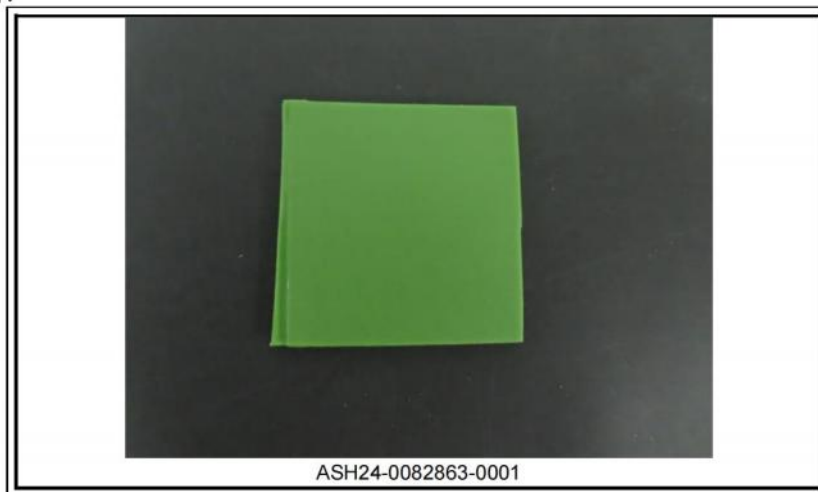
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检测报告

ASH24-0082863-01

发布日期: 2024-11-26

样品照片:



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检测报告

ASH24-0085467-01

发布日期: 2024-12-02

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03-4单元

样品名称: TPU砧板3.0
样品批号: 241112
生产日期: 241112
生产商: /

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样品接收日期: 2024-11-26
检测周期: 2024-11-26 ~ 2024-12-02
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

ASH24-0085467-01

发布日期: 2024-12-02

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	ASH24-0085467-0001	袋装样品

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 塑料和其他无孔材料表面抗菌活性的测定

ASH24-0085467-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	3.9×10^5
接种菌液量 (mL)	0.4
U_0	3.99
U_t	6.08
A_t	2.00
B (CFU/cm ²)	1.2×10^6
C (CFU/cm ²)	1.0×10^2
抗菌活性值 R	4.1
*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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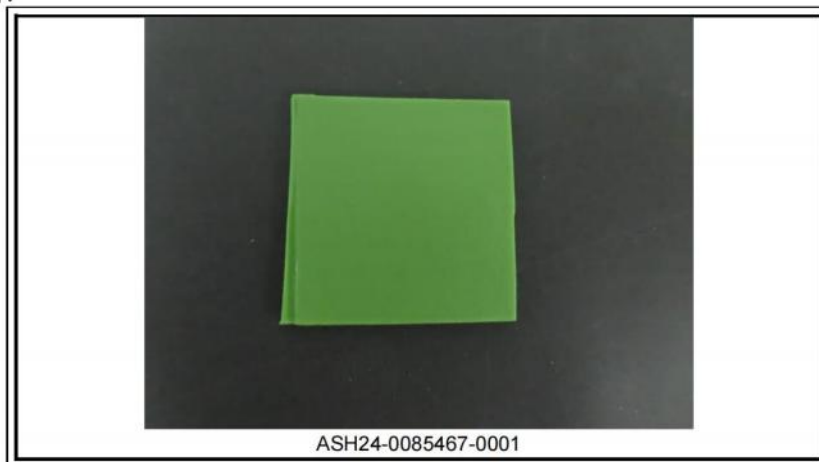
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ASH24-0085467-01

发布日期: 2024-12-02

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检测报告

报告编号: SHCPCH25000923-01_CN

报告日期: 2025-02-21

客户名称:

帕柯斯健康产业(吉林)有限公司

客户地址:

吉林省长春市朝阳区融大天玺项目 2306 房间

样品名称:

帕柯斯眼保健液

样品获取方式:

客户快递寄送

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SGS 样品 ID:

SHCPCH25000923-001

SGS 工作号:

SHCPCH25000923-01

SGS 参考号:

HZCPCH25000324-001/ SHACPCH25002416701

样品接收日期:

2025-02-11

样品测试时间:

2025-02-11~2025-02-19

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检测报告

报告编号: SHCPCH25000923-01_CN

报告日期: 2025-02-21

测试结果如下:

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)

锌元素

检测方法: 参考 SGS 内部方法, 采用 ICP-MS/ICP-OES 进行分析。

测试项目	单位	MDL	测试结果
锌(Zn)	mg/kg	1	457.8

防腐剂

检测方法: 参考 SGS 内部方法, 采用 HPLC-MS 进行分析。

检测项目	单位	MDL	测试结果
4-羟基苯甲酸异丙酯	mg/kg	0.8	ND
4-羟基苯甲酸异丁酯及其钠盐	mg/kg	0.8	ND
4-羟基苯甲酸苯酯	mg/kg	0.8	ND
4-羟基苯甲酸苯甲酯	mg/kg	0.8	ND
4-羟基苯甲酸正戊酯	mg/kg	0.8	ND
4-羟基苯甲酸及其钾/钠/钙盐 (以酸计)	mg/kg	4	ND
4-羟基苯甲酸甲酯及其钠/钾盐 (以酸计)	mg/kg	4	ND
4-羟基苯甲酸丁酯及其钠/钾盐 (以酸计)	mg/kg	0.8	ND
4-羟基苯甲酸丙酯及其钠/钾盐 (以酸计)	mg/kg	0.8	ND
4-羟基苯甲酸乙酯及其钠/钾盐 (以酸计)	mg/kg	0.8	ND

四环素类

检测方法: 参考 GB/T 24800.1-2009, 采用 HPLC-DAD 进行分析。

检测项目	单位	MDL	测试结果
二甲胺四环素	mg/kg	25	ND
土霉素	mg/kg	10	ND
四环素	mg/kg	10	ND
去甲基金霉素	mg/kg	10	ND
金霉素	mg/kg	5	ND
美他环素	mg/kg	5	ND
多西环素	mg/kg	5	ND
差向脱水四环素	mg/kg	2.5	ND
脱水四环素	mg/kg	2.5	ND

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检测报告

报告编号: SHCPCH25000923-01_CN

报告日期: 2025-02-21

样品描述: 盒装物



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。

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中科检测技术服务（广州）股份有限公司
CAS Testing Technical Services (GuangZhou) Co., Ltd.



201819000873

正本

检测报告

检测报告编号： GXX25020002

委托单位： 帕柯斯健康产业（吉林）有限公司

委托单位地址： 吉林省长春市朝阳区融大天玺项目 2306 房间

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中科检测技术服务（广州）股份有限公司
CAS Testing Technical Services (GuangZhou) Co., Ltd.

报告编号：GXX25020002

日期：2025/02/26

样品名称	帕柯斯护眼液	商标	/
样品编号	GXX25020002	样品性状	液体
规格型号	/	样品数量	1 瓶
生产日期	/	批号	/
保质期或限期使用日期	/	检测类型	委托送检
到样日期	2025/02/05	检测周期	2025/02/17-2025/02/20
生产单位	/		
生产单位地址	/		
检测项目	急性眼刺激试验		
检测依据	《消毒技术规范》（2002 年版）		
检测结果/结论	所检项目的检测数据请参见结果页		
备注	/		

***** 以下空白 *****



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CAS Testing Technical Services (GuangZhou) Co., Ltd.

报告编号：GXX25020002

日期：2025/02/26

急性眼刺激试验

（一）器材和动物

1. 试验样品：帕柯斯护眼液。

2. 实验动物和饲养条件：

实验动物：普通级新西兰兔 3 只，雌性，体重 1.875 kg~1.960 kg，由湖南太平生物科技有限公司提供，实验动物生产许可证号：SCXK（湘）2023-0011，质量合格证号：430730251100019076。动物试验前在动物房检疫 3 天。

饲养条件：饲料由广州英诺威营养饲料有限公司提供，生产许可证号：粤饲证（2024）01154，质量合格证号：202502140029。动物房温度 20℃~26℃，相对湿度 40%~70%。12 h 照明，12 h 黑暗。

（二）方法

1. 检测依据：《消毒技术规范》（2002 年版）2.3.4 急性眼刺激试验。

2. 受试物配制：使用样品原液。

3. 染毒方法：吸取受试物 0.1 mL，滴入新西兰兔左侧眼结膜囊内，右侧眼以生理盐水作为正常对照。滴入受试物后，将眼被动闭合 4 s，30 s 后用生理盐水冲洗。

4. 观察与评价：于滴眼后 1 h、24 h、48 h、72 h、7 d、14 d 和 21 d，肉眼观察新西兰兔眼结膜、虹膜和角膜的损伤与恢复情况。如在 72 h 内未出现刺激反应，或第 7 d 或 14 d 眼睛刺激反应完全恢复，提前终止试验。评分标准及刺激强度分级参照《消毒技术规范》（2002 年版）2.3.4 “急性眼刺激试验”中表 2-13 和表 2-14 评分。

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日期：2025/02/26

（三）结果

观察期内3只动物的平均评分为：角膜损害=0.00，虹膜损害=0.00，结膜充血=0.00，结膜水肿=0.00。
试验结果见表。

表 新西兰兔急性眼刺激反应评分结果

动物 编号	观察指标	眼刺激反应积分									
		1 h		24 h		48 h		72 h		平均评分*	
		样品	对照	样品	对照	样品	对照	样品	对照	样品	对照
1	角膜损害	0	0	0	0	0	0	0	0	0.00	0.00
	虹膜损害	0	0	0	0	0	0	0	0	0.00	0.00
	结膜充血	0	0	0	0	0	0	0	0	0.00	0.00
	结膜水肿	0	0	0	0	0	0	0	0	0.00	0.00
2	角膜损害	0	0	0	0	0	0	0	0	0.00	0.00
	虹膜损害	0	0	0	0	0	0	0	0	0.00	0.00
	结膜充血	0	0	0	0	0	0	0	0	0.00	0.00
	结膜水肿	0	0	0	0	0	0	0	0	0.00	0.00
3	角膜损害	0	0	0	0	0	0	0	0	0.00	0.00
	虹膜损害	0	0	0	0	0	0	0	0	0.00	0.00
	结膜充血	0	0	0	0	0	0	0	0	0.00	0.00
	结膜水肿	0	0	0	0	0	0	0	0	0.00	0.00

*平均评分系指24 h、48 h和72 h反应积分之和除以观察时间段数3。

（四）结论

受试物按《消毒技术规范》（2002年版）2.3.4 急性眼刺激试验进行检测，在本试验条件下，对
新西兰兔急性眼刺激试验反应强度分级为无刺激性。

***** 报告结束 *****



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检测报告

ASH25-0011308-01

发布日期：2025-03-05

客户名称：帕柯斯健康产业(吉林)有限公司
客户地址：吉林省长春市朝阳区融大天玺项目 2306 房间

样品名称：帕柯斯眼保健液
样品批号：/
生产日期：/
生产商：/

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样品接收日期：2025-02-25
检测周期：2025-02-25 ~ 2025-03-05
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

ASH25-0011308-01

发布日期：2025-03-05

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	ASH25-0011308-0001	定型包装 包装完好

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：WS/T 650-2019 抗菌和抑菌效果评价方法 5.1.1 悬液定量抑菌试验

ASH25-0011308-0001

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
菌悬液浓度 (CFU/mL)	6.1×10^5	6.6×10^5	7.6×10^5
阳性对照组回收菌量 (CFU/mL)	1.2×10^4	1.3×10^4	1.5×10^4
试验组回收菌量 (CFU/mL)	2.8×10^3	2.9×10^3	3.0×10^3
抑菌率(%)	77	78	80
结论	符合：有抑菌作用		

检测菌种 大肠杆菌 ATCC 25922

	试验重复 1	试验重复 2	试验重复 3
菌悬液浓度 (CFU/mL)	8.6×10^5	9.1×10^5	9.6×10^5
阳性对照组回收菌量 (CFU/mL)	1.7×10^4	1.8×10^4	1.9×10^4
试验组回收菌量 (CFU/mL)	<1	<1	<1
抑菌率(%)	>99	>99	>99
结论	符合，有较强抑菌作用		

检测菌种 金黄色葡萄球菌 ATCC 6538

	试验重复 1	试验重复 2	试验重复 3
菌悬液浓度 (CFU/mL)	1.4×10^6	1.5×10^6	1.6×10^6
阳性对照组回收菌量 (CFU/mL)	2.5×10^4	2.7×10^4	2.8×10^4
试验组回收菌量 (CFU/mL)	<1	<1	<1
抑菌率(%)	>99	>99	>99
结论	符合，有较强抑菌作用		

备注：

样品作用浓度：原样

作用时间：20min

WS/T 650-2019 抗菌和抑菌效果评价方法 5.1.1.5 结果判定：抑菌率≥50%~90%，判有抑菌作用；

抑菌率≥90%，判有较强抑菌作用。

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检测报告

ASH25-0011308-01

发布日期：2025-03-05

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。

样品照片:



ASH25-0011308-0001

此照片仅限于随 SGS 正本报告使用

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CNAS L4305

检测报告

NBF25-0001484-01A1

发布日期：2025-03-13

客户名称：帕柯斯健康产业(吉林)有限公司
客户地址：吉林省长春市朝阳区融大天玺项目 2306 房间

样品名称：帕柯斯雾化护眼仪抗菌硅胶按摩头
样品批号：/
生产日期：/
生产商：/

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：2025-01-20
检测周期：2025-01-20 ~ 2025-01-26
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

NBF25-0001484-01A1

发布日期：2025-03-13

检测样品描述：

样品编号	SGS 样品 ID	样品描述
1	NBF25-0001484-0001	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 塑料和其他无孔材料表面抗菌活性的测定

NBF25-0001484-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	5.0×10^5
接种菌液量 (mL)	0.4
U_0	4.08
U_t	5.96
A_t	-0.20
B (CFU/cm ²)	9.1×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.2
*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)	0.4
U_0	3.95
U_t	5.81
A_t	-0.20
B (CFU/cm ²)	6.4×10^5
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.0
*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。
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)。

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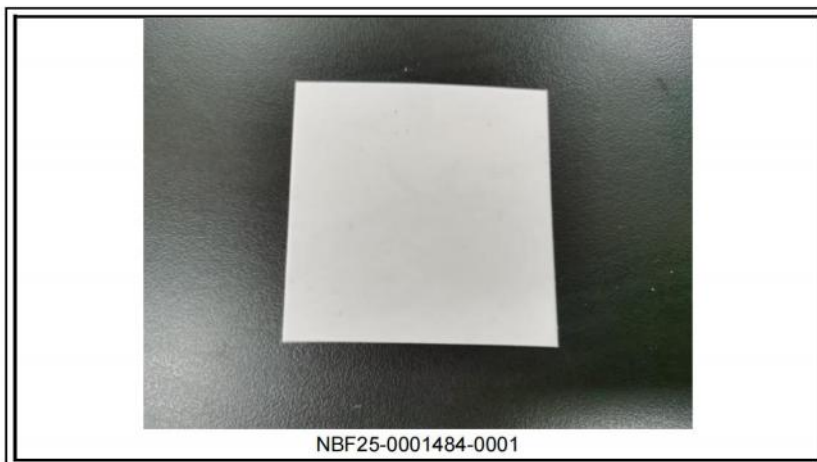
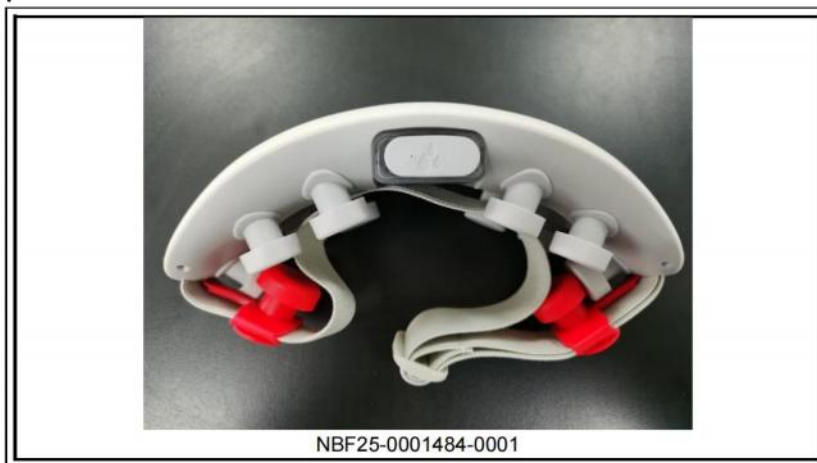
检测报告

NBF25-0001484-01A1

发布日期：2025-03-13

6. 样品前处理：用 70%酒精拭擦样品表面，无菌水冲洗，自然晾干。
7. 根据客户要求，对送检样品的白色材质部位进行检测。

样品照片：



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检测报告

NBF25-0001484-01A1

发布日期：2025-03-13

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**测试报告**报告编号: **ASH17-042150-01**报告日期: **2017-09-26**

客户名称: 宁波美材美质科技发展有限公司
客户地址: 浙江省宁波市余姚市文山创意广场 20 栋 307
样品名称: PP 抗菌塑料片
样品批号: PP0015
生产日期: /
生产商: /

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SGS 样品编号: ASH17-042150.001
SGS 相关号: NBAFNG170902009NB
样品接收日期: 2017-09-15
样品测试日期: 2017-09-15~2017-09-26

测试要求:

根据客户要求进行测试
抗菌效果实验

测试方法:

请参见下页

测试结果:

请参见下页

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测试报告

报告编号: ASH17-042150-01

报告日期: 2017-09-26

测试方法:

ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

实验菌种:

金黄色葡萄球菌 ATCC 6538P, 大肠杆菌 ATCC 8739

测试结果:

实验菌种	接种菌液浓度 (cfu/mL)	接种菌液量 (mL)	在不同接触时间洗脱后获得的细菌数 (cfu/cm ²) 对数值			抗菌活性值
			/	"0 小时"	"24 小时"	
大肠杆菌 ATCC 8739	1.2x10 ⁶	0.2	样品	/	2.72	3.2
			对照样	4.11	5.90	
金黄色葡萄球菌 ATCC 6538P	1.1x10 ⁶	0.2	样品	/	-0.21	5.5
			对照样	4.04	5.26	

注: 对照样为无抗菌性能塑料膜, 由 SGS 实验室提供。

样品描述: 1 袋 约 100g/袋 袋装物



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**测试报告**报告编号: **ASH17-042150-02**报告日期: **2017-09-26**

客户名称: 宁波美材美质科技发展有限公司
客户地址: 浙江省宁波市余姚市文山创意广场 20 栋 307
样品名称: PE 抗菌塑料薄膜
样品批号: PE0014
生产日期: /
生产商: /

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SGS 样品编号: ASH17-042150.002
SGS 相关号: NBAFNG170902009NB
样品接收日期: 2017-09-15
样品测试日期: 2017-09-15~2017-09-26

测试要求:

根据客户要求进行测试
抗菌效果实验

测试方法:

请参见下页

测试结果:

请参见下页

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测试报告

报告编号: ASH17-042150-02

报告日期: 2017-09-26

测试方法:

ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

实验菌种:

金黄色葡萄球菌 ATCC 6538P, 大肠杆菌 ATCC 8739

测试结果:

实验菌种	接种菌液浓度 (cfu/mL)	接种菌液量 (mL)	在不同接触时间洗脱后获得的细菌数 (cfu/cm ²) 对数值			抗菌活性值
			/	"0 小时"	"24 小时"	
大肠杆菌 ATCC 8739	1.2x10 ⁶	0.2	样品	/	-0.21	6.1
			对照样	4.11	5.90	
金黄色葡萄球菌 ATCC 6538P	1.1x10 ⁶	0.2	样品	/	-0.21	5.5
			对照样	4.04	5.26	

注: 对照样为无抗菌性能塑料膜, 由 SGS 实验室提供。

样品描述: 1 袋 约 50g/袋 袋装物



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广微测
Gmicro Testing



2015191236Q



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TESTING
CNAS L1747

广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测报告

REPORT FOR ANALYSIS

报告编号

Report №.

2017FM07915R01

样品名称

Name of Sample

PE 薄膜

委托单位

Applicant

宁波美材美质科技发展有限公司

检测类型

Test Type

委托检测

单位地址: 广州市先烈中路 100 号大院 59 号楼

Address: Building 59, No.100 Central Xian Le Road, Guangzhou, China

邮政编码: 510070

Postcode:

电话号码: (020)87137666

Tel:

传真号码: (020)87137668

Fax:

网 址: www.gddcm.com

Website:



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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测报告

REPORT FOR ANALYSIS



报告编号 (Report No.) 2017FM07915R01 校验码 (Verification Code): 29058173

样品名称 Name of Sample	PE 薄膜	检测类型 Test Type	委托检测
委托单位 Applicant	宁波美材美质科技发展有限公司	地址 Address	浙江省宁波市余姚市文山路 86 号 20 栋 307 室
样品来源 Sample Source	委托方送检	样品数量 Sample Quantity	1 片
样品规格和批号 Spec and Lot No of Sample	PARX-PE0014	样品状态和特性 State and Characteristic	透明, 薄膜
接样日期 Sample Received Date	2017-09-13	检测完成日期 Completion Date	2017-09-18
检测依据和方法 Test Standard and Method	GB/T 31402-2015		
检测项目 Item Tested	抗菌性能		
检测结论 Test Conclusion	该样品所检项目的实测数据见本检测报告续页。 签发日期: 2017-10-10 Issue Date: 2017-10-10 机构盖章 (Official Seal) 检验检测专用章		
备注 Remarks	生产厂家: 宁波美材美质科技发展有限公司, 供应商: 宁波美材美质科技发展有限公司。 (由委托方提供)		

制表:
Editor

陈颖婷

审核:
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批准:
Approver

陈保



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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2017FM07915R01

测试微生物	无加工试样片 接种后直接得 到的活菌数 (cfu/cm ²)	无加工试样片 接种后放置 24h 得到活菌 数 (cfu/cm ²)	抗菌试样片接 种后放置 24h 得到的活菌数 (cfu/cm ²)	抗菌活 性值	抗菌率 (%)
大肠杆菌 (<i>Escherichia coli</i>) ATCC 8739	9.4×10 ³	1.2×10 ⁵	<0.62	>5.3	>99.9
金黄色葡萄球菌 (<i>Staphylococcus aureus</i>) ATCC 6538P	8.8×10 ³	4.1×10 ⁴	30	3.1	99.9

(以下空白)

分析
专用



测试报告

报告编号: **ASH18-024501-01**

签发日期: **2018-06-11**

客户名称: 宁波美材美质科技发展有限公司
客户地址: 宁波市余姚文山创意广场 20 栋 312
样品名称: WPC0016-03 test plate|WPC0016-03 测试盒
样品批号: 20180528WP/C0016-03
生产日期: /
生产商: /
样品其他信息: 产品规格:5x5cm; 材质牌号:ppr/wpc

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: ASH18-024501.001
SGS 相关号: NBAFL201800226315
样品接收日期: 2018-05-29
样品测试日期: 2018-05-29 ~ 2018-06-11

测试要求:

根据申请者的要求:
抗菌效果实验

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: ASH18-024501-01

签发日期: 2018-06-11

测试方法:

ISO 22196:2011 塑料和其他非多孔表面抗菌活度的测量

实验菌种:

金黄色葡萄球菌 ATCC 6538P, 大肠杆菌 ATCC 8739

测试结果:

实验菌种	接种菌液浓度 (cfu/mL)	接种菌液量 (mL)	在不同接触时间洗脱后获得的 细菌数 (cfu/cm ²) 对数值			抗菌活性 值	抑菌率* (%)
			/	"0 小时"	"24 小时"		
大肠杆菌 ATCC 8739	1.6x10 ⁶	0.2	样品	/	-0.21	7.0	>99.9
			对照 样	4.23	6.84		
金黄色葡萄球 菌 ATCC 6538P	1.8x10 ⁶	0.2	样品	/	2.75	3.5	>99.9
			对照 样	4.29	6.26		

注: 1. 对照样为无抗菌性能塑料膜, 由 SGS 实验室提供.

2. *按照客户要求抑菌率=(C_t - T_t)/C_t

C_t: 试验菌种接种培养 24 小时后的 3 个对照样上细菌数的平均值

T_t: 试验菌种接种培养 24 小时后的 3 个测试样上细菌数的平均值

样品描述: 袋装物



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Test report n°: **21RP00364** dated **15/02/2021**Dear
Parx Plastics Europe BV
Hig Goudsesingel 46 (unit 17)
3011KD Rotterdam ()

Acceptance DataSubject of the test: **Polymers**Transport: **Customer**Transport temperature: **Error**Date of arrival: **03/02/2021** Time of arrival: **09.44**Arrival temperature: **Error**Acceptance date: **03/02/2021**

Sample data (C)Description: **PP0016/10189/M20111601/PP+3%**

Sampling dataSampling by: **Customer**Place: **Customer location**



follows Test report n°: **21RP00364** dated **15/02/2021**

Parameter - Specification Method - Notes	M.U.	Results Notes	LoQ	LoD	Test start Test end
Determination of antibacterial activity (R) - R=(Ut-Uo)-(At-Uo) ISO 22196:2011		0,9	0,3		05/02/21 10/02/21
Determination of antibacterial activity (R) ISO 22196:2011	%	87,411	50		
Size of test specimens (H x L)	mm	50x50			
Thickness of test specimens	mm	2,0			
Type of polymer used for the cover film		Polypropylene			
Size of the cover film (H x L)	mm	40x40			
Thickness of the cover film	mm	0,10			
Strain		Candida auris CDC B11903			
Method of conditioning		UV-C radiation (30 min per side)			
Reference used		Untreated sample			
Volume of test inoculum	ml	0,4			
Number of viable bacteria in the test inoculum	n°	17000			
Uo - N° of viable bacteria recovered from the untreated test specimens after inoculation	log	3,0			
Ut - N° of viable bacteria recovered from the untreated test specimens after 24 h	log	4,0			
At - N° of viable bacteria recovered from the treated test specimens 24 hours post inoculation	log	3,1			

If the sampling is not the responsibility of Chemicambiente S.r.l., the latter declines all responsibility for the information relating to sampling as provided by the Customer; the results of the tests refer exclusively to the sample as received. When these data include measurements that impact on the unit of measurement, the results expressed are obtained by processing them. The acceptance data are the responsibility of the Laboratory while the data relating to the sample are marked with a "C" if it is the responsibility of the Customer.

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 of 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°: **21RP00364** dated **15/02/2021**

Technical Director

Gioachin Dr. Carlo
Chemist

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

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

Test report n° 2100019/01

Test information	
MATERIAL	ABS
ITEM	– Treated Sample: ABS Handle + 8% PARX anti-viral additive. Untreated Sample: ABS Handle. Additive: PARX SANICONCENTRATE ANTI-VIRAL ADDITIVE (NOT BIOCIDES BASED) 
METHOD	ISO 21702:2019 "Measurement of antiviral activity on plastics and other non porous surfaces"
Date of receipt	01 February 2021
Samples	• Treated sample: 50 x 50 mm², 1 mm thick; • Untreated sample: 50 x 50 mm², 1 mm thick; • Cover film: polypropylene film 40 x 40 mm², thickness 0.10 mm • All samples were disinfected with 70% EtOH; • Volume of test inoculum: 400 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	24h





Test report n° 2100019/01

Page 2 of 3

Calculation of antiviral activity

Antiviral activity is calculated with the following formula:

$$R = U_t - A_t$$

where

R is the evaluation of antiviral activity

U_t is the mean of log TCID₅₀/cm² of the 3 untreated samples at time Tx

A_t is the mean of log TCID₅₀/cm² of the 3 treated samples at time Tx

Log TCID₅₀ inoculum: 6.88

Cytotoxicity test						
	Media Log TCID ₅₀	TCID ₅₀ /1 ml	S (TCID ₅₀ / ml)	Test valid if	Results	
Negative control	4.42	10 ^{4.42}	$S_n = 10^{4.42}$	n/a	n/a	n/a
Untreated sample	4.25	10 ^{4.25}	$S_u = 10^{4.25}$	$ S_n - S_u \leq 0.5$	0.17	Valid
Treated sample	4.08	10 ^{4.08}	$S_t = 10^{4.08}$	$ S_n - S_t \leq 0.5$	0.33	Valid

Test results

	Time	Average Log TCID ₅₀	TCID ₅₀ /1 ml	N (TCID ₅₀ /cm ²)	U_t	R $ U_t - A_t $	Test valid if result is between
Untreated sample	T0	5.00	10 ^{5.00}	6.25×10^5	n/a	n/a	$2.5 \times 10^5 - 1.2 \times 10^6$ (TCID ₅₀ /cm ²)
	T24	4.42	10 ^{4.42}	1.63×10^5	5.21	n/a	n/a





Test report n° 2100019/01

Page 3 of 3

	Time	Average Log TCID ₅₀	TCID ₅₀ / l ml	N (TCID ₅₀ /cm ²)	At	R Ut-At	[% reduction versus T0]
Treated Sample	T24	3.00	10 ^{3.00}	6.25 x 10 ³	3.80	1.41	99.00 %

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* Test in service (same Group).

Prato, 24 February 2021

End of test Report

The Responsible,

GIOVANNI
MICHELI
24.02.2021
12:52:00
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检测报告

ASH24-0014038-01

发布日期: 2024-04-19

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: HIPS 塑料盒
样品批号: PARX-BYC55RG833
生产日期: 2024/3/05
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: 2024-03-12
检测周期: 2024-03-12 ~ 2024-04-19
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

ASH24-0014038-01

发布日期: 2024-04-19

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	ASH24-0014038-0001	袋装物

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: GB 21551.2-2010 家用和类似用途电器的抗菌、除菌、净化功能 抗菌材料的特殊要求 附录 C 抗菌性能试验方法 3 及效果评价

ASH24-0014038-0001

检测菌种	孢子悬液浓度 (个/mL)	长霉等级 (28 天)	评价**
*检测菌种	1.0×10 ⁶	0 级	符合: 有抗菌作用

备注:

根据 GB 21551.2-2010 家用和类似用途电器的抗菌、除菌、净化功能 抗菌材料的特殊要求 附录 C 抗菌性能试验方法 3 及效果评价 C.7.1 长霉等级, 样品长霉等级评定如下:
0 级 - 不长, 即显微镜(放大 50 倍)下观察未见生长
1 级 - 痕迹生长, 即肉眼可见生长, 但生长覆盖面积小于 10%
2 级 - 生长覆盖面积小于 30%, 但不小于 10% (轻度生长)
3 级 - 生长覆盖面积小于 60%, 但不小于 30% (中度生长)
4 级 - 生长覆盖面积大于 60%至全面覆盖 (严重生长)
检测菌种*: 黑曲霉 ATCC 6275, 土曲霉 AS 3.3935, 宛氏拟青霉 AS 3.4253, 绳状青霉 AS 3.3875, 出芽短梗霉 AS 3.3984, 球毛壳 AS 3.4254
**根据 GB 21551.2-2010 附录 C.7.2, 长霉等级为 1 级或 0 级, 评价为有抗菌作用。



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检测报告

ASH24-0014038-01

发布日期: 2024-04-19

样品照片:



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检测报告

NBF24-0013726-01

发布日期: 2024-08-13

客户名称: 广州帕柯斯新材料有限公司
客户地址: 广州市天河区珠江新城珠江东路 30 号广州银行大厦 601

样品名称: PCTG 测试盒
样品批号: RG20TX80-5%
生产日期: 2024/07/27
生产商: 广州帕柯斯新材料有限公司
供应商: 广州帕柯斯新材料有限公司
目的地: 中国

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样品接收日期: 2024-08-05
检测周期: 2024-08-05 ~ 2024-08-13
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 NBF24-0013726-01 发布日期：2024-08-13

检测样品描述:

样品编号	SGS 样品 ID	样品描述
1	NBF24-0013726-0001	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

NBF24-0013726-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	6.0×10 ⁵
接种菌液量 (mL)	0.4
U ₀	4.15
U _t	6.01
A _t	4.00
B (CFU/cm ²)	1.0×10 ⁶
C (CFU/cm ²)	1.0×10 ⁴
抗菌活性值 R	2.0
*抗菌率 (%)	99.0

检测菌种	金黄色葡萄球菌 ATCC 6538P
接种菌液浓度 (CFU/mL)	6.3×10 ⁵
接种菌液量 (mL)	0.4
U ₀	4.18
U _t	5.89
A _t	3.33
B (CFU/cm ²)	7.7×10 ⁵
C (CFU/cm ²)	2.1×10 ³
抗菌活性值 R	2.6
*抗菌率 (%)	99.7



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 - 2. U₀: 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】×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

NBF24-0013726-01

发布日期: 2024-08-13

样品照片:



NBF24-0013726-0001

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检测报告

NBF24-0015046-01

发布日期：2024-09-02

客户名称：宁波市帕柯斯塑料科技有限公司
客户地址：浙江省余姚市朗霞街道杨家村创业北路 10 号 A 栋三楼

样品名称：高透硅胶测试片
样品批号：YHXG-2%
生产日期：2024/08/21
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：2024-08-23
检测周期：2024-08-23 ~ 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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农产品检测技术服务部



检测报告

NBF24-0015046-01

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	NBF24-0015046-0001	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

NBF24-0015046-0001

检测菌种	大肠杆菌 ATCC 8739
接种菌液浓度 (CFU/mL)	6.0×10^5
接种菌液量 (mL)	0.4
U_0	4.15
U_t	6.73
A_t	-0.20
B (CFU/cm ²)	5.4×10^6
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.9
*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)	5.8×10^5
接种菌液量 (mL)	0.4
U_0	4.15
U_t	6.11
A_t	-0.20
B (CFU/cm ²)	1.3×10^6
C (CFU/cm ²)	<0.63
抗菌活性值 R	6.3
*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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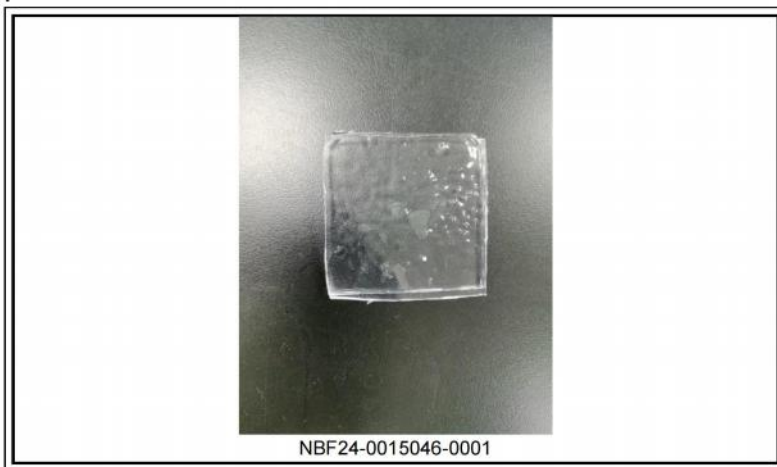
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检测报告

NBF24-0015046-01

发布日期：2024-09-02

样品照片：



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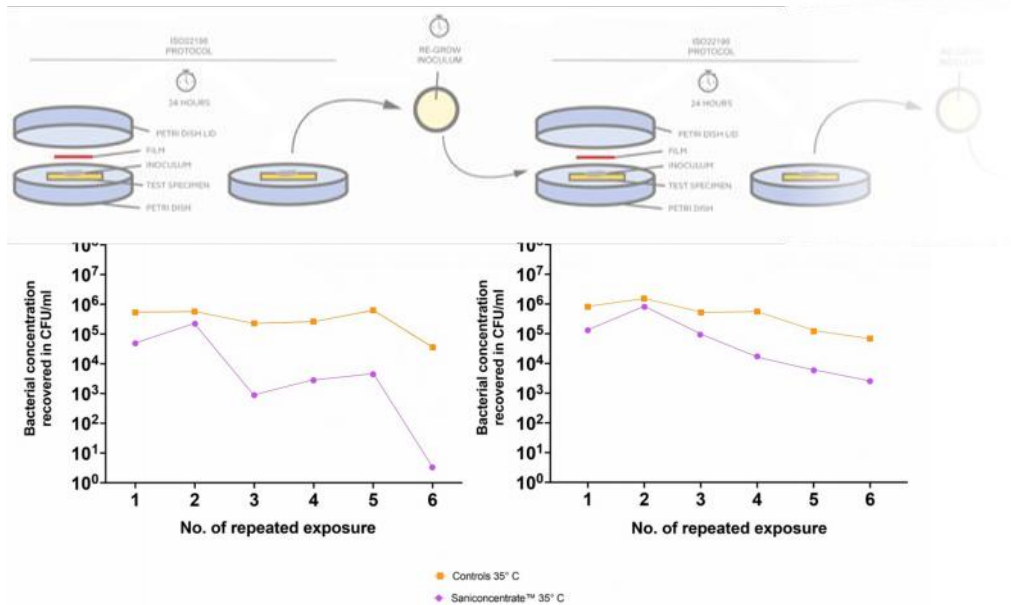
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研究的目标：

确定基于微量元素锌的Parx材料抗菌技术是否会随着时间的推移诱导细菌菌株产生耐药性。

传统的杀生物剂和抗生素正在引发AMR耐药性，是医疗卫生领域的一个重要话题，随着时间的推移，它带来了严重的挑战和威胁。自2015年起，诺和诺德就开始与Parx Materials合作，他们对将该技术用于下一代注射设备非常感兴趣。

实验



试验第1次后，收集培养24小时后残留在样品上的细菌接种物，并将该材料培养回所需的菌落大小。一旦接种物达到规定尺寸，将其重新应用于试验2的样品。这个过程已经重复了6次。每次试验后，取下剩余的接种物，重新培养该接种物，并重新施用6次，如果是AMR耐药性，则会导致技术效果下降，因为细菌正在增强耐药性。

结论：

随着时间的推移，细菌接种物变得越来越弱，这是意料之中的，但Parx材料技术的抗菌效果持续存在，没有耐药性迹象。





LAB N° 1165

Test report n°: **17LA05637** of **14/04/2017**

Spett.
Parx Plastics Europe BV
Westblaak 189
3012KJ Rotterdam ()

Sample Information

Test subject: **Polymers**

Description: **Green Tube - 3% Saniconcentrate - Ex 17LA03406 - Simulante acqua - 3 x 10 giorni a 40°C**

Registration date: **30/03/2017**

Date of arrival: **30/03/2017**

Date analysis commenced: **31/03/2017** Date analysis completed: **13/04/2017**



Sampling data

Date: **30/03/2017**

Sample supplied by: **client**

Transport: **client**

Parameter - Note

U.M.

Result

Limits

LoQ

Method - Note

Overall migration into aqueous food simulant by article filling
UNI EN 1186-1:2003 + UNI EN 1186-9:2003

Simulant used

Water

Temperature of the test

°C

40

Duration of contact

10 days

Global migration of the sample 1 in the simulant solvent

mg/dm³

1,6

1

Global migration of the sample 2 in the simulant solvent

mg/dm³

1,0

1

Global migration of the sample 3 in the simulant solvent

mg/dm³

< 1.0

1

Average Global migration in the simulant solvent

mg/dm³

< 1.0

10 (sup)

1

* Zinc (as Zn) - Specific Migration

mg/kg

< 0.5

5 (sup)

0.5

(le) EPA 6010D:2014

LEGEND: U.M. = Unit of measurement; (Sup) = upper limit; (Inf) = Lower Limit ; x + y = acceptable range; LoQ = limit of quantification, the threshold value below which you choose not to bring any numerical result for the parameter in question; this limit is provided directly by the method, or is chosen on the basis of the experimental detection limits (LoQ or LoD) so as not to be changed over time or according to the chemical-physical or microbiological single sample; LOD = limit of detection; NQ = unquantifiable, indicates a value less than LoQ

"<x" or ">x" respectively indicate a value lower or higher than the measuring range of the test

UNLESS OTHERWISE SPECIFIED: Quantitative microbiological tests are performed on single replica and two consecutive dilutions in accordance with UNI EN ISO 7218: 2013 (with the exception of the analysis of water and MPN); the results of this test report are not correct for recovery factors (R) as the values of recovery are in the tolerance specified in the test method; summations are calculated using the criterion of the lower bound (LB)

The results marked in red indicate a exceeding the defined limits.

If the sampling isn't the responsibility of 3ALaboratori Ltd., the test results were obtained on the basis of the data declared.

(le) parameters marked with "le" are performed in subcontracting.

(*): Test not accredited by ACCREDIA

The analytical results are exclusively referred to the sample.

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Laboratory management system certified UNI EN ISO 9001: 2008 by CSQA with the No. 14270. Inclusion in the list of regional laboratories carrying out analysis in the context of self-control procedures for Food Industries No. 52. Recommended by AIC for the analysis of quantification of gluten in food matrices. Registered laboratory for the analysis of food contact materials intended for export to Japan.

Mod.PT01.01 Rev.5

3A-Laboratori SRL

Via A.Volta 1/d Masera di Padova - 35020 (PD) Email amministrazione1@3alaboratori.it Tel. 049 0994658-0994671 Fax. 049 8868430
Cap. Soc. €100000,00 I.V. - REA di PD 378402 - Codice Fiscale, Iscriz. Reg. Imprese di Padova e Partita Iva 04296730288

Page 1 of 2



LAB N° 1165

follows Test report n°: **17LA05637** of **14/04/2017**

Limiti: Restrizioni su materiali ed oggetti definiti nell'Allegato II del Reg.10/2011/UE e Reg. 1416/2016/UE -

Opinions and Interpretations - Not subject to accreditation ACCREDIA:

Based on results obtained in the above test conditions, the sample is SUITABLE to come into contact with food substances based on the liquid simulants used; this does not consider the verification of compositional formulation.

Legislative References: Reg. EU/10/2011 dated 14/01/2011 and subsequent amendments.

Technical Director

Dr. Giovanni Mitaritonna
Chemist

Ordine Interprov. Chimici del Veneto - Padova n° 910 SEZ. A

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Page 2 of 2



广微测
Gmicro Testing

广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测报告

REPORT FOR ANALYSIS

报告编号

Report No.

2017FM07915R02

样品名称

Name of Sample

PE 薄膜

委托单位

Applicant

宁波美材美质科技发展有限公司

检测类型

Test Type

单位地址: 广州市先烈中路 100 号大院 59 号楼

Address: Building 59, No.100 Central Xian Road, Guangzhou, China

邮政编码: 510070

Postcode:

电话号码: (020)87137666

Tel:

传真号码: (020)87137668

Fax:

网 址: www.gddcm.com

Website:



广微测
Gmicro Testing

广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测报告

REPORT FOR ANALYSIS



报告编号 (Report No.) 2017FM07915R02 校验码 (Verification Code): 37281604

样品名称 Name of Sample	PE 薄膜	检测类型 Test Type	委托检测
委托单位 Applicant	宁波美材美质科技发展有限公司	地 址 Address	浙江省宁波市余姚市文山路 86 号 20 栋 307 室
样品来源 Sample Source	委托方送检	样品数量 Sample Quantity	1 片
样品规格和批号 Spec and Lot No of Sample	PARX-PE0014	样品状态和特性 State and Characteristic	透明, 薄膜
接样日期 Sample Received Date	2017-09-13	检测完成日期 Completion Date	2017-09-27
检测依据和方法 Test Standard and Method	参照 GB 5009.156-2016, USEPA 6020A-2007		
检测项目 Item Tested	锌		
检测结论 Test Conclusion	该样品所检项目的实测数据见本检测报告续页。 签发日期: 2017-10-10 Issue Date: 2017-10-10 机构盖章 (Official Seal) 检验检测专用章		
备注 Remarks	生产厂家: 宁波美材美质科技发展有限公司, 供应商: 宁波美材美质科技发展有限公司。 (由委托方提供)		

制 表:
Editor

陈颖婷

审 核:
Verifier

孙延平

批 准:
Approver

叶保



广微测
Gmicro Testing

广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2017FM07915R02

样品处理	检测项目	检测结果		
		浸泡前 (mg/L)	浸泡后 (mg/L)	元素含量迁移量 (mg/dm ²)
取 6dm ² 薄膜浸泡于 1L 的 10%乙醇溶液中, 放置 24h 后取浸泡液测定	锌	0.2337	2.6687	0.404
取 6dm ² 薄膜浸泡于 1L 的 3%醋酸溶液中, 放置 24h 取醋酸溶液测定	锌	0.5760	2.3730	0.300
取 6dm ² 薄膜浸泡于 1L 的 20%乙醇溶液中, 放置 24h 后取浸泡液测定	锌	0.2418	2.3821	0.357
取 6dm ² 薄膜浸泡于 1L 的花生油中, 放置 24h 取浸泡液测定	锌	0.2232	2.6623	0.406
(以下空白)				

分析
专用



Test report n°: 17LA17828 of 14/11/2017



LAB N° 1165

Dear
Parx Plastics Europe BV
Westblaak 189
3012KJ Rotterdam ()

Sample Information

Description: **PP0015/M16091902/PARX1.5**

Test subject: **Polymers**

Registration date: **26/10/2017** Registration hour: **12.06**

Date of arrival: **26/10/2017** Hour of arrival: **12.06**

Notes on receipt: **Suitable**

Date analysis commenced: **26/10/2017** Date analysis completed: **13/11/2017**



Sampling data

Sampling by: **Client**

Location: **Not communicated**

Sampling point: **Not communicated**

Transport: **Client**

The analytical results are exclusively referred to the sample.

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Laboratory management system certified UNI EN ISO 9001:2008 by CSQA with the No. 14270. Inclusion in the list of regional laboratories carrying out analysis in the context of self-control procedures for Food Industries No. 52. Recommended by AIC for the analysis of quantification of gluten in food matrices. Registered laboratory for the analysis of food contact materials intended for export to Japan.



LAB N° 1165

follows Test report n°: 17LA17828 of 14/11/2017

Parameter - Note Method - Note	U.M.	Result Note	Limits	LoQ
Overall migration into aqueous food simulant by total immersion UNI EN 1186-1:2003 + UNI EN 1186-3:2003				
Simulant used	B - Acetic Acid at 3% (w/v)			
Temperature of the test	°C	40		
Duration of contact		10 days		
Global migration of the sample 1 in the simulant solvent	mg/dm ²	4,3		1
Global migration of the sample 2 in the simulant solvent	mg/dm ²	4,0		1
Global migration of the sample 3 in the simulant solvent	mg/dm ²	2,1		1
Average Global migration in the simulant solvent	mg/dm ²	3,5	10	1
* Zinc (as Zn) - Specific Migration (le) EPA 6010D:2014	mg/kg	< 0,5	5	0,5

LEGEND: U.M. = Unit of measurement; (Sup) = upper limit; (Inf) = Lower Limit ;; x + y = acceptable range; LoQ = limit of quantification, the threshold value below which you choose not to bring any numerical result for the parameter in question; this limit is provided directly by the method, or is chosen on the basis of the experimental detection limits (LoQ or LoD) so as not to be changed over time or according to the chemical-physical or microbiological single sample; LOD = limit of detection; NQ = unquantifiable, indicates a value less than LoQ
 "<x" or ">x" respectively indicate a value lower or higher than the measuring range of the test
 UNLESS OTHERWISE SPECIFIED: Quantitative microbiological tests are performed on single replica and two consecutive dilutions in accordance with UNI EN ISO 7218: 2013 (with the exception of the analysis of water and MPN); the results of this test report are not correct for recovery factors (R) as the values of recovery are in the tolerance specified in the test method; summations are calculated using the criterion of the lower bound (LB)
 The results marked in red indicate a exceeding the defined limits.

(le) parameters marked with "le" are performed in subcontracting.

(*): Test not accredited by ACCREDIA

Limits: Restrizioni su materiali ed oggetti definiti nell'Allegato II del Reg.10/2011/UE e Reg. 752/2017/UE -

Opinions and Interpretations - Not subject to accreditation ACCREDIA:

Based on results obtained in the above test conditions, the sample is SUITABLE to come into contact with food substances based on the liquid simulants used; this does not consider the verification of compositional formulation.

Legislative References: Reg. EU/10/2011 dated 14/01/2011 and subsequent amendments.

Technical Director

Dr. Giovanni Mitaritonna
Chemist

Ordine Interprov. Chimici del Veneto - Padova n° 910 SEZ. A

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Mod.PT01.01 Rev.6

3A-Laboratori SRL

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Page 2 of 2

结果：对于直接接触食物或作为永久性医疗植入物，
Saniconcentrate™ 的使用不存在障碍或限制。

CONFIDENTIAL

Food contact compliance of Saniconcentrate™

Parx Materials

Authors	Reviewed by	Date
Marina Sanjose	Alex Zwiers	November 2020

结果：对于直接接触食物或作为永久性医疗植入物，
Saniconcentrate™ 的使用不存在障碍或限制。

1 INTRODUCTION AND SCOPE

The objective of this assessment is to provide a general overview on the safety and compliance of Saniconcentrate™ from Parx Materials and its intended use in food contact materials (FCM).

2 PRODUCT DESCRIPTION

Saniconcentrate™ is made of selected polymers (polypropylene, polyethylene and ethylene vinylacetate) that incorporate zinc salts (), (), () and other substances (), (), ().

The carrier in combination with the other substances within the Saniconcentrate™, which may vary in concentrations, can be found in the following Table:

CAS No.	Substances within Saniconcentrate™	Content %
9002-88-4	Polyethylene;	Carrier (>94%)
9003-07-0	Polypropylene; or	
24937-78-8	Ethylene vinylacetate.	
		<6%

Table 1. Composition of standard substances within the Saniconcentrate™

结果：对于直接接触食物或作为永久性医疗植入物，
Saniconcentrate™ 的使用不存在障碍或限制。



5.2 Conclusions

To proof food contact material compliance with EU and US regulation, research has been done for each substance within Saniconcentrate™. Moreover, to proof safety for each of them, regulation and databases of cosmetic ingredients, handbook of pharmaceutical excipients, CLP regulation (to ensure a high level of protection of health and the environment), regulatory agencies inventories and other sources such REACH, Pesticide regulation and Plant protection product have been consulted.

The three polymers (polyethylene, polypropylene and ethylene vinylacetate) along with [REDACTED] and [REDACTED] are included in the EU Union List of Authorized Substances: *Annex I*, Plastics Food Contact Regulation 10/2011/EU. The precursors of the other substances present in Saniconcentrate™ ([REDACTED], [REDACTED], [REDACTED], [REDACTED] and [REDACTED]) are as well included in Annex II.

Since Saniconcentrate™ contains different [REDACTED] and [REDACTED] salts, as listed in *Annex II of Regulation 10/2011/EU* are subject to specifications and restrictions for use in plastic materials and migration tests of plastic food contact material products containing Saniconcentrate™ should be performed.

In addition, polypropylene and ethylene vinylacetate are listed in the FDA inventory as additives used in food contact substances. Polyethylene, [REDACTED], [REDACTED] and [REDACTED] are substances added to food according to the FDA regulation and [REDACTED] and [REDACTED] are as well included in the inventory of substances added to food but under another CAS number. [REDACTED] and [REDACTED], precursors of [REDACTED] and [REDACTED], are listed in the FDA inventory as additives used in food contact substances under another CAS number than the one listed in the EU regulation.

Finally, as stated in *Regulation 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food*, Parx Materials should manufacture in accordance with GMP.



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

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





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.
This test report may only be reproduced in full; partial reproduction must be authorized with written approval by the Laboratory.
* 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



No.202303252

河南省药品医疗器械检验院
(河南省疫苗批签中心)

检验检测报告

产品名称：麻醉机和呼吸机用呼吸管路硅胶材料

检验类别：委托检验

委 托 方：河南瑞昌医疗器械制造有限公司



河南省药品医疗器械检验院
(河南省疫苗批签中心)

检验检测报告首页

报告编号：202303252

样品编号：委20231387

共 3 页 第 1 页

样品名称	麻醉机和呼吸机用呼吸管路硅胶材料	样品数量	10个
	寄样 (√) 抽样 ()	规格 型号	RC-R-P1
委托方	河南瑞昌医疗器械制造有限公司		
生产地址	新密市平陌镇刘沟村二组	生产批号	2023051001
		生产日期	2023年05月10日
标示 生产单位	河南瑞昌医疗器械制造有限公司	产品编号	/
受检单位	/	失效期	2026年05月09日
抽样单位	/	检验类别	委托检验
库存数量	/	样品状态	正常
抽样日期	/	收样日期	2023. 07. 11
抽样地点	/	检验地点	本检验院试验室
抽样单编号	/	检验日期	2023. 07. 12-2023. 09. 06
检验项目	“细胞毒性”共1项		
检验依据	河南瑞昌医疗器械制造有限公司《麻醉机和呼吸机用呼吸管路生物学评价试验要求》		
检验结论	所检项目符合河南瑞昌医疗器械制造有限公司《麻醉机和呼吸机用呼吸管路生物学评价试验要求》的要求。		
备注	1) 报告中的“——”表示此项不适用，报告中“/”表示此项空白或未检。		

签发日期：2023年09月13日

报告批准：

徐茵

报告审核：

白法芳

检 验：

田林奇

河南省药品医疗器械检验院

(河南省疫苗批签中心)

检验检测报告

样品编号：委20231387

共 3 页 第 2 页

麻醉机和呼吸机用呼吸管路硅胶材料				
检验项目	标准条款	标准要求	检验结果	单项结论
细胞毒性	1.1	试验样品应无细胞毒性。	试验样品无细胞毒性。	符合要求
备注： 以下空白				

河南省药品医疗器械检验院
(河南省疫苗批签中心)

检验检测报告照片页

样品编号：委20231387

共 3 页 第 3 页

照片和说明



样品描述

/

型号规格或其他说明

产品标示型号规格：RC-R-P1



检测报告

编号:ESZ2501200110C00101R

日期: 2025 年 01 月 24 日

第 1 页 共 23 页

委托单位：福州市帕柯斯新材料有限公司

地址：福建省福州市台江区峰街道曙光支路 132 号申发大厦 27 层

以下检测之样品及样品信息是由申请者提供并确认

样品名称：皮革抗菌剂

型号：PAZY18ZRG01

接收日期：2025 年 01 月 20 日

检测周期：2025 年 01 月 20 日~2025 年 01 月 24 日

检测概要：见下页

编制：

秦婷
秦婷, Maria

审核：

杜适
杜适, Damon

签发：

谨代表
苏州市信测标准技术服务有限公司
姜宇锋, Jason
授权签字人
2025 年 01 月 24 日

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EMTEK (Suzhou) Co., Ltd. Add: No. 1388 Songjie Road, Guoxiang Street, Wuzhong Economic Development Zone, Suzhou, Jiangsu, China
Http://www.emtek.com.cn E-mail: suzhou@emtek.com.cn



检测报告

编号:ESZ2501200110C00101R

日期: 2025 年 01 月 24 日

第 2 页 共 23 页

检测概要

	检测项目	结 论
1	甲醛	符合
2	重金属总量	符合
3	双酚类	符合
4	乙酰苯	符合
5	2-苯基-2-丙醇	符合
6	苯酚	符合
7	含氯苯酚	符合
8	邻苯基苯酚 (OPP)	符合
9	邻苯二甲酸酯	符合
10	有机锡化合物	符合
11	烷基酚及烷基酚聚氧乙烯醚 (NP+OP+NPEO+OPEO)	符合
12	N,N-二甲基乙酰胺 (DMAC)	符合
13	N-甲基吡咯烷酮 (NMP)	符合
14	甲酰胺 (FAM)	符合
15	富马酸二甲酯 (DMFu)	符合
16	氟 (F)	符合
17	全氟化合物 (PFCs)	符合
18	短链氯化石蜡 (SCCPs, C10-C13)	符合
19	中链氯化石蜡 (MCCPs, C14-C17)	符合
20	阻燃剂	符合
21	卤化联苯及三联苯	符合
22	UV 吸收剂/稳定剂含量	符合
23	杀虫剂	符合
24	石棉	符合
25	游离异氰酸酯	符合

注：符合 (Pass)；不符合 (Fail)；不评价或仅提供检测结果 (N/A)

样品描述 (以下检测之样品及样品信息是由申请者提供并确认)

样品序号	样品编号	数 量	批号
01	E2501200110-01-C	1pc	20241230

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检测结果汇总

1. 甲醛

1.1 检测方法: 参考 ISO 14184-1:2011, 用 UV-Vis 分析。

1.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
		01		
甲醛	50-00-0	N.D.	13	不得检出

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

2. 重金属总量

2.1 检测方法: 参考 DIN EN 16711-1 (2016)、US EPA 3052:1996 & ISO 11885:2007, 用 ICP-OES 分析。

2.2 检测结果

检测项目	结果(mg/kg)	MDL (mg/kg)	客户限值 (mg/kg)
	01		
镉(Cd)	N.D.	5	不得检出
铅(Pb)	N.D.	5	40
汞(Hg)	N.D.	0.1	不得检出
砷(As)	N.D.	2	10
锑(Sb)	N.D.	5	--
钴(Co)	N.D.	5	--
钡(Ba)	N.D.	5	--
铬(Cr)	N.D.	5	--
硒(Se)	N.D.	5	--

备注

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3. 双酚类

3.1 检测方法: 参考 US EPA 3550C:2007&ISO 18857-2:2009, 用 LC-FLD&LC-DAD 分析。

3.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
		01		
双酚 A(BPA)	80-05-7	N.D.	0.1	不得检出
双酚 S(BPS)	80-09-1	N.D.	0.1	1.0
双酚 F(BPF)	620-92-8	N.D.	0.1	1.0
双酚 AF(BPAF)	1478-61-1	N.D.	0.1	1.0

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

4. 乙酰苯

4.1 检测方法: 参考 QB/T 4555-2013, 用 GC-MS 分析。

4.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
		01		
乙酰苯	98-86-2	N.D.	10	20

备注

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- 2) MDL=检出限

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5. 2-苯基-2-丙醇

5.1 检测方法: 参考 QB/T 4555-2013, 用 GC-MS 分析。

5.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
		01		
2-苯基-2-丙醇	617-94-7	N.D.	10	50

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

6. 苯酚

6.1 检测方法: 参考 US EPA 3550C:2007, 用 LC-FLD 分析。

6.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
		01		
苯酚	108-95-2	N.D.	5	10

备注

- 1) N.D.=未检测到(小于 MDL)
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7.含氯苯酚

7.1 检测方法：参考 DIN EN ISO 17070:2015&DIN 50009:2021 , 用 GC-MS 分析。

7.2 检测结果

检测项目	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
	01		
一氯苯酚(MCP)总量	N.D.	0.05	不得检出
二氯苯酚(DCP)总量	N.D.	0.05	不得检出
三氯苯酚(TriCP)总量	N.D.	0.05	不得检出
四氯苯酚 (TeCP)总量	N.D.	0.05	不得检出
五氯苯酚 (PCP)	N.D.	0.05	不得检出

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限
- 3) 一氯苯酚(MCP)包括: 2-Chlorophenol(2-MoCP)、3-Chlorophenol(3-MoCP)、4-Chlorophenol(4-MoCP)
二氯苯酚(DCP)包括: 2,3-Dichlorophenol(2,3-DiCP)、2,4-Dichlorophenol(2,4-DiCP)、2,5-Dichlorophenol (2,5-DiCP)、2,6-Dichlorophenol(2,6-DiCP)、3,4-Dichlorophenol(3,4-DiCP)、3,5-Dichlorophenol(3,5-DiCP)
三氯苯酚(TriCP)包括: 2,4,6-Trichlorophenol、2,3,6-Trichlorophenol、2,3,5-Trichlorophenol、2,4,5-Trichlorophenol、2,3,4-Trichlorophenol、3,4,5-Trichlorophenol
四氯苯酚(TeCP)包括: 2,3,5,6-Tetrachlorophenol、2,3,4,6-Tetrachlorophenol、2,3,4,5-Tetrachlorophenol

8.邻苯基苯酚 (OPP)

8.1 检测方法：参考 EN 17134-2:2023 , 用 LC-DAD 分析。

8.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
		01		
邻苯基苯酚 (OPP)	90-43-7	N.D.	0.1	10

备注

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- 2) MDL=检出限

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9.邻苯二甲酸酯

9.1 检测方法：参考 CPSC-CH-C1001-09.4, GC-MS 分析。

9.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值 (mg/kg)
		01		
邻苯二甲酸二正辛酯(DNOP)	117-84-0	N.D.	30	不得检出
邻苯二甲酸二异壬酯(DINP)	28553-12-0, 68515-48-0	N.D.	50	50
邻苯二甲酸二异癸酯(DIDP)	26761-40-0, 68515-49-1	N.D.	50	50
邻苯二甲酸二丁酯(DBP)	84-74-2	N.D.	50	50
邻苯二甲酸丁基苯基酯(BBP)	85-68-7	N.D.	50	50
邻苯二甲酸二(2-乙基)己酯(DEHP)	117-81-7	N.D.	50	50
邻苯二甲酸二异丁酯(DIBP)	84-69-5	N.D.	50	50
邻苯二甲酸二己酯(DNHP)	84-75-3	N.D.	50	50
邻苯二甲酸二乙基酯(DEP)	84-66-2	N.D.	50	50
邻苯二甲酸二甲酯(DMP)	131-11-3	N.D.	50	50
邻苯二甲酸二环己酯(DCHP)	84-61-7	N.D.	50	50
邻苯二甲酸二戊酯(DPP)	131-18-0	N.D.	50	50
邻苯二甲酸二异己酯(DIHxP)	71850-09-4	N.D.	50	50
邻苯二甲酸二庚酯(DHP)	3648-21-3	N.D.	50	50
邻苯二甲酸甲氧基乙基酯(DMEP)	117-82-8	N.D.	50	50
邻苯二甲酸烷基酯(C7-11 直链和支链) (DHNUP)	68515-42-4	N.D.	50	50
邻苯二甲酸二 C6-8 支链烷基酯(富 C7) (DIHP)	71888-89-6	N.D.	50	50
邻苯二甲酸二异戊酯(DIPP)	605-50-5	N.D.	50	50
邻苯二甲酸正戊基异戊基酯(NIPP)	776297-69-9	N.D.	50	50
邻苯二甲酸二己酯,直链和支链(DHxP)	68515-50-4	N.D.	50	50
支链和直链 1,2-苯二羧二戊酯(BADP)	84777-06-0	N.D.	50	50

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检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
		01		
邻苯二甲酸二异辛酯(DIOP)	27554-26-3	N.D.	50	50
邻苯二甲酸二壬酯(DNP)	84-76-4	N.D.	50	50
邻苯二甲酸二丙酯(DPRP)	131-16-8	N.D.	50	50
邻苯二甲酸-二-C6-C10 烷基酯	68515-51-5	N.D.	50	50
邻苯二甲酸-混合葵基、己基、辛基二酯	68648-93-1	N.D.	50	50
邻苯二甲酸二(2-丙基庚)酯(DPHP)	53306-54-0	N.D.	50	50
四溴邻苯二甲酸双(2-乙基己基)酯	26040-51-7	N.D.	50	50
邻苯二甲酸酯总量	--	N.D.	--	100

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

10.有机锡化合物

10.1 检测方法：参考 EN ISO 22744-1:2020，用 GC-MS 分析。

10.2 检测结果

检测项目	结果 [▲] (mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
	01		
甲基锡(MMT)	N.D.	0.05	--
单丁基锡(MBT)	N.D.	0.05	不得检出
单辛基锡(MOT)	N.D.	0.05	0.5
单苯基锡(MPhT)	N.D.	0.05	1
二苯基锡(DPhT)	N.D.	0.05	1
三苯基锡(TPhT)	N.D.	0.05	不得检出
二甲基锡(DMT)	N.D.	0.05	不得检出
二丁基锡(DBT)	N.D.	0.05	不得检出
二丙基锡(DPT)	N.D.	0.05	1

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检测项目	结果▲(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
	01		
二辛基锡(DOT)	N.D.	0.05	不得检出
三甲基锡(TMT)	N.D.	0.05	0.5
三丁基锡(TBT)	N.D.	0.05	不得检出
三丙基锡(TPT)	N.D.	0.05	0.5
三辛基锡(TOT)	N.D.	0.05	0.5
三环己基锡(TcyHT)	N.D.	0.05	不得检出
三丁基氧化锡(TBTO)	N.D.	0.5	1000
四乙基锡(TeET)	N.D.	0.05	1
四丁基锡(TeBT)	N.D.	0.05	1
二丁基二氯化锡(DBTC)	N.D.	0.05	1000
四辛基锡(TeOT)	N.D.	0.1	1

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限
- 3) ▲: 含量以锡计

11.烷基酚及烷基酚聚氧乙烯醚 (NP+OP+NPEO+OPEO)

11.1 检测方法: 参考 ISO 18254-1:2016, 用 LC-FLD 分析。

11.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
		01		
壬基酚 (NP)	25154-52-3	N.D.	3	10
辛基酚 (OP)	140-66-9	N.D.	3	10
OP+NP	--	N.D.	--	10
壬基酚聚氧乙烯醚 (NPEO)	9016-45-9	N.D.	10	不得检出
辛基酚聚氧乙烯醚 (OPEO)	9002-93-1	N.D.	10	不得检出

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备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

12. N,N-二甲基乙酰胺 (DMAC)

12.1 检测方法: 参考 ISO 16189:2021, 用 GC-MS 分析。

12.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
		01		
N,N-二甲基乙酰胺 (DMAC)	127-19-5	N.D.	10	500

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

13. N-甲基吡咯烷酮 (NMP)

13.1 检测方法: 参考 ISO 16189:2021, 用 GC-MS 分析。

13.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
		01		
N-甲基吡咯烷酮 (NMP)	872-50-4	N.D.	10	500

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

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14. 甲酰胺

14.1 检测方法：参考 ISO 16189:2021, 用 GC-MS 分析。

14.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
		01		
甲酰胺	75-12-7	N.D.	10	50

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

15. 富马酸二甲酯(DMFu)

15.1 检测方法：参考 ISO 16189:2021, 用 GC-MS 分析。

15.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
		01		
富马酸二甲酯(DMFu)	624-49-7	N.D.	0.05	不得检出

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

16. 氟(F)

16.1 检测方法：EN 14582:2016,用 IC 分析。

16.2 检测结果

检测项目	结果 (mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
	01		
氟(F)	N.D.	50	不得检出

备注

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17.全氟化合物 (PFCs)

17.1 检测方法：参考 EN 17681-1:2022 & 17681-2:2022，用 LC-MS 分析。

17.2 检测结果

序号	检测项目	CAS No.	结果 (mg/kg)	MDL (mg/kg)	客户限值 (mg/kg)
			01		
1	全氟辛烷磺酸 (PFOS)	1763-23-1	N.D.	0.5µg/m ²	总和: <1µg/m ²
2	全氟辛烷磺酰胺 (PFOSA)	754-91-6	N.D.	0.5µg/m ²	
3	全氟辛烷磺酰氟 (PFOSF/POSF)	307-35-7	N.D.	0.5µg/m ²	
4	N-甲基全氟辛烷磺酰胺 (N-Me-FOSA)	31506-32-8	N.D.	0.5µg/m ²	
5	N-乙基全氟辛烷磺酰胺 (N-Et-FOSA)	4151-50-2	N.D.	0.5µg/m ²	
6	N-甲基全氟辛烷磺酰胺乙醇 (N-Me-FOSE)	24448-09-7	N.D.	0.5µg/m ²	
7	N-乙基全氟辛烷磺酰胺乙醇 (N-Et-FOSE)	1691-99-2	N.D.	0.5µg/m ²	
8	全氟辛烷磺酸钾 (PFOS-K)	2795-39-3	N.D.	0.5µg/m ²	
9	全氟正辛烷磺酸锂 (PFOS-Li)	29457-72-5	N.D.	0.5µg/m ²	
10	全氟辛基磺酸铵 (PFOS-NH ₄)	29081-56-9	N.D.	0.5µg/m ²	
11	全双(2-羟基乙基)全氟辛基磺酰胺 (PFOS-NH(OH) ₂)	70225-14-8	N.D.	0.5µg/m ²	
12	全氟辛基磺酸四乙基铵(PFOS-N(C ₂ H ₅) ₄)	56773-42-3	N.D.	0.5µg/m ²	
13	全氟辛基磺酸二癸二甲基铵 (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8	N.D.	0.5µg/m ²	
14	全氟辛酸钠 (PFOA-Na)	335-95-5	N.D.	20ppb	总和: <20ppb
15	全氟辛酸钾 (PFOA-K)	2395-00-8	N.D.	20ppb	
16	全氟辛酸银 (PFOA-Ag)	335-93-3	N.D.	20ppb	
17	全氟辛酸 (PFOA)	335-67-1	N.D.	20ppb	
18	全氟辛酸铵 (APFO)	3825-26-1	N.D.	20ppb	
19	全氟辛酰氟 (PFOA-F)	335-66-0	N.D.	20ppb	
20	全氟辛酸甲酯 (Me-PFOA) ①	376-27-2	N.D.	25ppb	--
21	全氟辛酸乙酯 (Et-PFOA) ①	3108-24-5	N.D.	25ppb	--

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序号	检测项目	CAS No.	结果 (mg/kg)	MDL (mg/kg)	客户限值 (mg/kg)
			01		
22	1H,1H,2H,2H-全氟正癸基甲基丙烯酸酯 (8:2 FTMA) ①	1996-88-9	N.D.	25ppb	<25ppb
23	1H,1H,2H,2H-全氟-1-癸醇 (8:2 FTOH) ①	678-39-7	N.D.	25ppb	<25ppb
24	1H,1H,2H,2H-全氟癸基丙烯酸酯 (8:2 FTA) ①	27905-45-9	N.D.	25ppb	<25ppb
25	1H,1H,2H,2H-全氟癸烷磺酸 (8:2 FTS) 钠盐 ①	39108-34-4	N.D.	25ppb	<25ppb
26	2H,2H-全氟癸酸 (H2PFDA) ①	27854-31-5	N.D.	25ppb	--
--	7 种 PFOA 及相关物质总和 (①)	--	N.D.	--	<800ppb
27	N-甲基-1,1,2,2,3,3,4,4,5,5,6,6,6-十三氟代-1-己烷磺酰胺 (N-Me-FHxSA)	68259-15-4	N.D.	1000ppb	总和: <1000ppb
28	全氟正己基磺酰胺 (PFHxSA)	41997-13-1	N.D.	1000ppb	
29	全氟壬酸 (PFNA)	375-95-1	N.D.	25ppb	总和: <25ppb
30	全氟癸酸 (PFDA)	335-76-2	N.D.	25ppb	
31	全氟十一烷酸 (PFUdA), 也可简称为 PFHA	2058-94-8	N.D.	25ppb	
32	全氟十二烷酸 (PFDoA)	307-55-1	N.D.	25ppb	
33	全氟十三酸 (PFTrDA)	72629-94-8	N.D.	25ppb	
34	全氟十四酸 (PFTeDA)	376-06-7	N.D.	25ppb	
35	全氟-3, 7-二甲基辛酸 (PF-3,7-DMOA)	172155-07-6	N.D.	25ppb	
36	全氟壬酸铵 (NH ₄ -PFN)	4149-60-4	N.D.	25ppb	
37	全氟壬酸钠 (Na-PFN)	21049-39-8	N.D.	25ppb	
38	全氟癸酸铵 (NH ₄ -PFD)	3108-42-7	N.D.	25ppb	
39	全氟癸酸钠 (Na-PFD)	3830-45-3	N.D.	25ppb	
40	全氟十二烷铵盐 (PFDoA-NH ₄)	3793-74-6	N.D.	25ppb	
41	1H,1H,2H,2H-全氟十二烷基丙烯酸酯 (10:2 FTA) ②	17741-60-5	N.D.	10ppb	--
42	2-(全氟癸基)乙基甲基丙烯酸酯 (10:2 FTMA) ②	2144-54-9	N.D.	10ppb	--
43	1H,1H,2H,2H-全氟-1-十二烷醇 (10:2 FTOH) ②	865-86-1	N.D.	10ppb	--

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序号	检测项目	CAS No.	结果 (mg/kg)	MDL (mg/kg)	客户限值 (mg/kg)
			01		
44	1,1,2,2-四氢全氟-1-十四醇 (12:2 FTOH) ②	39239-77-5	N.D.	10ppb	--
45	1H,1H,2H,2H-全氟十二烷磺酸 (10:2 FTS) ②	120226-60-0	N.D.	10ppb	--
46	1-碘-1H,1H,2H,2H-全氟十二烷 (10:2 FTI) ②	2043-54-1	N.D.	10ppb	--
47	1-碘-1H,1H,2H,2H-全氟十四烷 (12:2 FTI) ②	30046-31-2	N.D.	10ppb	--
48	2H,2H,3H,3H-十七氟十一酸及其盐 (4HPFUnA) ②	34598-33-9	N.D.	10ppb	--
49	1H,1H,2H,2H-全氟癸基三乙氧基硅烷 ②	101947-16-4	N.D.	10ppb	--
50	1-碘-1H,1H,2H,2H-全氟癸烷 (8:2FTI) ②	2043-53-0	N.D.	10ppb	--
51	双(2-(全氟乙基))磷酸 ②	678-41-1	N.D.	10ppb	--
52	四丁基磷 2H,2H-全氟癸酸酯 ②	882489-14-7	N.D.	10ppb	--
53	2H,2H-全氟癸酸(H ₂ PFDA) ②	27854-31-5	N.D.	10ppb	--
54	碘全氟癸烷(PFDI) ②	423-62-1	N.D.	10ppb	--
55	全氟碘代十二烷(PFDol) ②	307-60-8	N.D.	10ppb	--
56	二十一氟癸烷磺酸及其盐 ②	335-77-3 126105-34-8	N.D.	10ppb	<25ppb
57	全氟癸烷磺酸钠 ②	2806-15-7	N.D.	10ppb	<25ppb
58	全氟癸烷磺酸钾 ②	2806-16-8	N.D.	10ppb	<25ppb
59	全氟癸基磺酸铵 ②	67906-42-7	N.D.	10ppb	<25ppb
--	19 种 C9-C14 PFCAs 及相关物质总和 (②)	--	N.D.	--	<260ppb
60	全氟己酸 (PFPeA)	307-24-4	N.D.	25ppb	<25ppb
61	1H,1H,2H,2H-全氟辛烷磺酸 (1H,1H,2H,2H-PFOS) ③	27619-97-2	N.D.	0.05	--
62	1H,1H,2H,2H-全氟-1-辛醇 (6:2 FTOH) ③	647-42-7	N.D.	0.05	<100ppb
--	PFHxA(C6-PFCA)及相关物质总和 (③)	--	N.D.	--	<1000ppb
63	全氟庚酸 (PFHpA)	375-85-9	N.D.	0.05	<0.05
64	全氟丁酸 (PFBA)	375-22-4	N.D.	0.05	<0.05

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序号	检测项目	CAS No.	结果 (mg/kg)	MDL (mg/kg)	客户限值 (mg/kg)
			01		
65	全氟戊酸 (PFPeA)	2706-90-3	N.D.	0.05	<0.05
66	全氟丁烷磺酸 (PFBS)	375-73-5	N.D.	0.05	<0.05
67	全氟庚烷磺酸 (PFBS)	375-92-8	N.D.	0.05	<0.05
68	7-H 十二氟庚酸 (7HPFHpA)	1546-95-8	N.D.	0.05	<0.05
69	1H,1H,2H,2H-全氟-1-己醇 (4:2 FTOH)	2043-47-2	N.D.	0.05	<0.05
70	1H,1H,2H,2H-全氟辛基丙烯酸酯 (6:2 FTA)	17527-29-6	N.D.	0.05	<0.05
71	全氟丁基磺酸钾 (PFBS-K)	29420-49-3	N.D.	1µg/m²	<10µg/m²
72	全氟庚基磺酸钠 (PFHpS-Na)	68555-66-8	N.D.	1µg/m²	<10µg/m²
73	2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵 (HFPO-DA-NH₄)	62037-80-3	N.D.	1µg/m²	<10µg/m²
74	全氟己烷磺酸锂 (PFHxS-Li)	55120-77-9	N.D.	25ppb	总和: <25ppb
75	全氟己烷磺酸钠 (PFHxS-Na)	82382-12-5	N.D.	25ppb	
76	全氟己烷磺酸 (PFHxS)	355-46-4	N.D.	25ppb	
77	全氟己烷磺酸钾 (PFHxS-K)	3871-99-6	N.D.	25ppb	
78	全氟己基磺酸铵 (FHxS-NH₄)	68259-08-5	N.D.	25ppb	

备注

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18. 短链氯化石蜡 (SCCPs, C10-C13)

18.1 检测方法: 参考 ISO 22818:2021, 用 GC-MS 分析。

18.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
		01		
短链氯化石蜡(SCCPs, C10-C13)	85535-84-8	N.D.	30	不得检出

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

19. 中链氯化石蜡 (MCCPs, C14-C17)

19.1 检测方法: 参考 ISO 22818:2021, 用 GC-MS 分析。

19.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值(mg/kg)
		01		
中链氯化石蜡(MCCPs, C14-C17)	85535-85-9	N.D.	30	50

备注

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20. 阻燃剂

20.1 检测方法：参考 EN ISO 17881-1:2016&EN ISO 17881-2:2016, 用 GC-MS 和 ICP-OES 分析。

20.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值 (mg/kg)
		01		
一溴联苯	2052-07-5	N.D.	5	不得检出
二溴联苯	57422-14-2	N.D.	5	不得检出
三溴联苯	59080-34-1	N.D.	5	不得检出
四溴联苯	60044-24-8	N.D.	5	不得检出
五溴联苯	14910-04-4	N.D.	5	不得检出
六溴联苯	59080-40-9	N.D.	5	不得检出
七溴联苯	35194-78-6	N.D.	5	不得检出
八溴联苯	27858-07-7	N.D.	5	不得检出
九溴联苯	21543-52-2	N.D.	5	不得检出
十溴联苯	13654-09-6	N.D.	5	不得检出
多溴联苯 (PBBs)	59536-65-1	N.D.	5	不得检出
三 (1-氮丙啶基) 氧化 (TEPAO)	545-55-1	N.D.	5	不得检出
二 (2,3-二溴丙基) 磷酸酯 (BIS-BP)	5412-25-9	N.D.	5	不得检出
硼酸(以 B 计)▲▲	10043-35-3, 11113-50-1	N.D.	5	不得检出
三氧化二硼(以 B 计)▲▲	1303-86-2	N.D.	5	不得检出
无水四硼酸钠▲▲▲	1303-96-4, 1330-43-4, 12179-04-3	N.D.	5	不得检出
二溴代二苯醚	36483-60-0	N.D.	5	不得检出
水合硼酸钠▲▲▲	12267-73-1	N.D.	5	不得检出
短链氯化石蜡(SCCPs,C10-C13)	85535-84-8	N.D.	5	不得检出
四溴二苯醚 (TetraBDE)	40088-47-9	N.D.	5	不得检出
五溴二苯醚 (PentaBDE)	32534-81-9	N.D.	5	不得检出
六溴二苯醚 (HexaBDE)	36483-60-0	N.D.	5	不得检出

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检测报告

编号:ESZ2501200110C00101R

日期: 2025 年 01 月 24 日

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检测项目	CAS No.	结果(mg/kg)	MDL(mg/kg)	客户限值 (mg/kg)
		01		
七溴二苯醚 (HeptaBDE)	68928-80-3	N.D.	5	不得检出
八溴二苯醚 (OctaBDE)	32536-52-0	N.D.	5	不得检出
十溴二苯醚 (DecaBDE)	1163-19-5	N.D.	5	不得检出
六溴环十二烷(HBCDD)	3194-55-6, 25637-99-4 (134237-50-6) (134237-51-7) (134237-52-8)	N.D.	5	不得检出
四溴双酚 A(TBBP-A)	79-94-7	N.D.	5	不得检出
磷酸三(二甲苯)酯(TXP)	25155-23-1	N.D.	5	不得检出
磷酸三(2,3-二溴丙基)酯 (TRIS/TDBPP)	126-72-7	N.D.	5	不得检出
2,2-双(溴甲基)-1,3-丙二醇 (BBMP)	3296-90-0	N.D.	5	不得检出
磷酸三甲酯	512-56-1	N.D.	5	不得检出
磷酸三(1,3-二氯-2-丙基)酯(TDCPP)	13674-87-8	N.D.	5	不得检出
磷酸三(2-氯乙基)酯(TCEP)	115-96-8	N.D.	5	不得检出
磷酸三甲苯酚酯(TOCP)	78-30-8	N.D.	5	不得检出
磷酸三(1-氯-2-丙基)酯(TCPP)	13674-84-5	N.D.	5	不得检出
四溴双酚 A 双(二溴丙基)醚 (BDDP)	21850-44-2	N.D.	5	不得检出
十溴二苯乙烷 (DBDPE)	84852-53-9	N.D.	5	不得检出
磷酸三苯酯(TPP)	115-86-6	N.D.	5	不得检出
2-乙基己基-四溴苯甲酸 (TBB)	183658-27-7	N.D.	5	不得检出
三氧化二锑	1309-64-4	N.D.	5	不得检出
2,3,4,5-四溴-苯二羧酸双(2-乙基己基)酯 (TBPH)	26040-51-7	N.D.	5	不得检出
硼酸锌盐	1332-07-6 12767-90-7	N.D.	5	不得检出
五氧化二锑	1314-60-9	N.D.	5	不得检出
氧化硼钠	12008-41-2	N.D.	5	不得检出

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备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限
- 3) ▲▲: 三氧化二硼(B_2O_3)、硼酸的含量由硼元素的测试结果换算得出。
▲▲▲: 无水四硼酸钠、水合硼酸钠的含量由硼和钠元素的测试结果换算得出。

21. 卤化联苯及三联苯

21.1 检测方法: 参考 US EPA 8082A, 用 GC-MS 分析。

21.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
		01		
多氯联苯 PCBs	1336-36-3	N.D.	5	不得检出
多氯三联苯 PCTs	61788-33-8	N.D.	5	不得检出

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

22. UV 吸收剂/稳定剂含量

22.1 检测方法: 参考 ISO 24040:2022, 用 GC-MS 分析。

22.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值(mg/kg)
		01		
UV 320	3846-71-7	N.D.	50	1000
UV 327	3864-99-1	N.D.	50	1000
UV 328	25973-55-1	N.D.	50	1000
UV 350	36437-37-3	N.D.	50	1000
UV-P	2240-22-4	N.D.	50	--

备注

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23. 杀虫剂

23.1 检测方法：参考 ISO 13365-1:2020, 用 LC-PDA 分析。

23.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值 (mg/kg)
		01		
辛基异噻唑啉酮	26530-20-1	N.D.	10	50
氯乙酰胺	79-07-2	N.D.	10	50
异噻唑啉酮	26172-55-4	N.D.	10	50
2-巯基苯并噻唑	149-30-4	N.D.	10	50
甲基异噻唑啉酮	2682-20-4	N.D.	10	50
氯菊酯	52645-53-1	N.D.	10	50

备注

- 1) N.D.=未检测到(小于 MDL)
- 2) MDL=检出限

24. 石棉

24.1 检测方法：参考 ISO 22262-1:2012, 用偏光显微镜和 XRD 分析。

24.2 检测结果

检测项目	CAS.NO	MDL (mg/kg)	结果(mg/kg)	客户限值 (mg/kg)
			01	
温石棉	12001-29-5 132207-32-0	1000	N.D.	不得检出
蓝石棉	12001-28-4	1000	N.D.	不得检出
铁石棉	12172-73-5	1000	N.D.	不得检出
阳起石	77536-66-4	1000	N.D.	不得检出
直闪石	77536-67-5	1000	N.D.	不得检出
透闪石	77536-68-6	1000	N.D.	不得检出

备注

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25.游离异氰酸酯

25.1 检测方法: 参考 DIN EN 13130-8:2004&ISO 10283:2007, 用 GC-MS 分析。

25.2 检测结果

检测项目	CAS No.	结果(mg/kg)	MDL (mg/kg)	客户限值 (mg/kg)
		01		
六亚甲基二异氰酸酯 (HDI)	822-06-0	N.D.	0.1	--
异佛尔酮二异氰酸酯 (IPDI)	4098-71-9	N.D.	0.1	--
1,3-双(1-异氰酸根-1-甲基乙基)苯 (TMXDI)	2778-42-9	N.D.	0.1	--
2, 4- 甲苯二异氰酸酯 (TDI)	584-84-9	N.D.	0.1	--
2, 6- 甲苯二异氰酸酯 (TDI)	91-08-7	N.D.	0.1	--
二苯甲烷二异氰酸酯 (MDI)	101-68-8	N.D.	0.1	--
总和	--	N.D.	--	1

备注

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- 2) MDL=检出限

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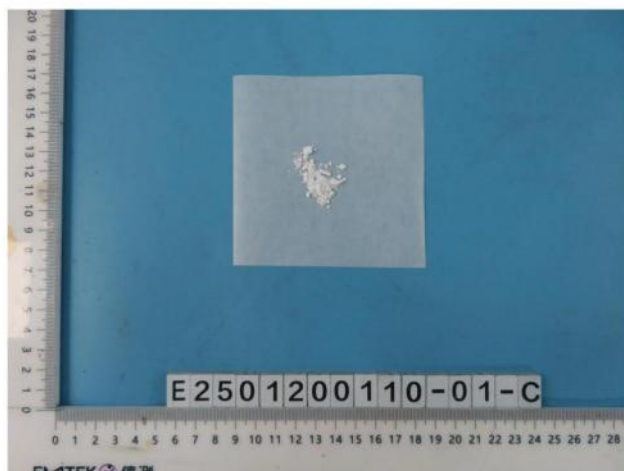
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样品照片



*** 报告结束 ***

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检测报告 (SVHC)

编号: XMNPC25000343602

日期: 2025 年 03 月 07 日

第 1 页, 共 14 页

客户名称: 广州帕柯斯新材料有限公司

客户地址: 广州市天河区珠江新城珠江东路 30 号广州银行大厦 601

样品名称: PCTG 抗菌母粒

以上样品及信息由客户提供。

SGS 工作编号: XMIN2503000493PC01

收样日期: 2025 年 03 月 03 日

检测周期: 2025 年 03 月 03 日 ~ 2025 年 03 月 07 日

检测要求: 根据客户要求, 筛分候选清单中的 SVHC:
(i) 基于欧洲化学品管理署截止 2025 年 1 月 21 日公布的供授权审议的高关注物质候选清单(根据欧盟第 1907/2006 号 REACH 法规), 对 247 项高关注物质(SVHC)进行筛分检测。
根据客户要求, 筛分潜在的 SVHC:
(i) 基于欧洲化学品管理署截止 2025 年 2 月 28 日公布的潜在的高关注物质咨询清单(根据欧盟第 1907/2006 号 REACH 法规), 对 3 种高关注物质(SVHC)进行筛分检测。
(ii) 对 1 项潜在的特定高关注物质(SVHC)进行筛分检测。
(iii) 基于欧洲化学品管理署公布的高关注物质意向清单(根据欧盟第 1907/2006 号 REACH 法规), 对 2 项潜在的高关注物质(SVHC)进行筛分检测。

检测方法: 见后续页。

检测结果: 见后续页。

总结:

1	根据具体的范围和筛分检测, 所提交样品中供授权审议的高关注物质候选清单所属 247 项 SVHC 结果 ≤ 0.1% (w/w)。	通过
---	---	----

通标准技术服务有限公司厦门分公司
授权签名

陈梅金

Rae Chen 陈梅金
批准签署人

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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8367 5443, or email: CN.Quickcheck@sgs.com

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检测报告
(SVHC)

编号: XMNPC25000343602

日期: 2025 年 03 月 07 日

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2	根据具体的范围和筛分检测, 所提交样品中 6 项潜在的 SVHC 结果 $\leq$ 0.1% (w/w)。	通过
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检测报告 (SVHC)

编号: XMNPC25000343602

日期: 2025 年 03 月 07 日

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备注:

1. 本报告所涉及的关于特定高关注物质的化学分析是根据欧洲化学品管理署发布的下列文件, 利用现有的分析技术完成的。
<http://echa.europa.eu/web/guest/candidate-list-table>
这些文件清单由欧洲化学品管理署评估, 将来可能会有变化。

2. REACH 法规义务:

2.1 关于物品:

告知:

欧盟第 1907/2006 (EC) 号法规第 33 条规定, 含有满足第 57 条中的标准并根据第 59 条第一款被确定且质量分数大于 0.1% 的物质的物品的所有供应商应向物品接受者提供其可获取的充足信息, 以使物品使用安全, 这些信息至少包括含有的候选清单中物质的名称。

通报:

根据欧盟第 1907/2006 (EC) 号法规, 如果满足以下两个条件, 如果物质符合第 57 条中的标准并根据第 59 条第一款被确定, 物品的任何欧洲制造商或进口商应根据第 7 条第 4 款向欧盟化学品管理署进行通报: (a) 候选清单中的物质在物品中的总含量超过 1 吨/年/生产商或进口商; (b) 候选清单中的物质在物品中的总含量以质量分数计超过 0.1% 的浓度。

自 2021 年 1 月 5 日起, 在欧盟市场上供应候选清单上浓度高于 0.1% 重量比 (w/w) 的高关注物质 (SVHC) 的物品的公司必须遵守废物框架指令 2008/98/EC 要求, 并向 ECHA 提交有关这些物品的 SCIP 通知。

2.2 关于材料:

报告中的检测结果是基于检测样品。如样品是均一材质, 当其构成成品时, 此结果不能代表成品中的 SVHC 浓度。如样品为均一材质等比例合测, 这些材质也可能来自不同的物品。

如果样品是一种物质或混合物, 并且直接出口到欧盟, 客户有责任遵守欧盟第 1907/2006 号 REACH 法规第 31 条供应链信息传递的义务和附件十四中的授权高关注物质授权的责任。

2.3 关于物质和配制品:

如果样品中高关注物质的浓度超过 0.1% (w/w) 和/或欧盟第 1272/2008 号 CLP 法规及其修订中设定的特殊浓度限值, 建议客户根据欧盟第 1907/2006 号 REACH 法规对有关高关注物质准备安全数据表 (SDS) 以符合供应链通信的义务, 如

-根据欧盟第 1272/2008 号 CLP 法规被列为有害物质。

-根据欧盟第 1272/2008 号 CLP 法规被列为有害混合物, 而当中物质的浓度大于或等于欧盟第 1272/2008 号 CLP 法规列出的浓度限值;或

-根据欧盟第 1272/2008 号 CLP 法规并未列为有害混合物, 但包含:

(a) 对人类健康或环境有害的物质, 而在固体或液体混合物 (即非气体混合物) 中其浓度 $\geq 1\%$ (w/w) 或在气体混合物中占体积 $\geq 0.2\%$, 或

(b) PBT 或 vPvB 物质, 在固体或液体混合物 (即非气体混合物) 中个别浓度 $\geq 0.1\%$ (w/w), 或

(c) 授权审议的高关注物质候选清单上的物质 (除上述以外的原因) 在个别非气体混合物中的浓度 $\geq 0.1\%$ (w/w), 或

(d) 设有欧洲范围内工作场所接触限值的物质。

3. 如果样品中 SVHC 的检测结果超过报告限, 建议客户进一步定量分析检测含有 SVHC 的组分并且得到 SVHC 物质的准确浓度。



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检测样品:

检测组:

检测结果 ID	样品描述	检测部件 ID	SGS 样品 ID
001	米白色物料颗粒	001	XMN25-0003436-0001.C001

检测方法:

参考 SGS 内部方法, 采用 ICP-OES、UV-VIS、GC-MS、HPLC-DAD/MS 和比色法进行分析。



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候选清单中的 SVHC 结果

批次	物质名称	CAS No.	001 浓度 (%)	RL (%)
-	所有候选清单中的 SVHC	-	ND	-

潜在的 SVHC 结果

批次	物质名称	CAS No.	001 浓度 (%)	RL (%)
/	所有潜在的 SVHC	-	ND	-

备注:

- (1) 上表仅显示检测到的 SVHC, 未报告 RL 以下的 SVHC。请参阅已检测 SVHC 的完整列表附录。
- (2) RL = 报告限制 (如果检测数据 $\geq$ RL, 将显示检测数据。RL 不是监管限制。
- ND = 未检测到 (低于 RL), ND 针对 SVHC 物质。
- (3) * 结果是由选定的元素结果基于最坏的情况计算, 并根据物质用途和材料特性评估得出。
- ** 结果基于所选标记的计算和最坏情况。
- 硼化合物的结果由 ICP-OES 检测的水提取硼元素结果换算得出。
- 四氧化二硼钡的结果由 ICP-OES 检测的水提取硼和钡元素结果换算得出。
- RL = 0.005% 是针对元素 (例如钴、砷、铅、铬、铬 (VI)、铝、镉、硼、锑、锌、锑、钛、钡、镉), 除了钼的 RL = 0.0005%, 硼的 RL = 0.0025% (仅对四氟硼酸铅), 氟的 RL = 0.050%。
- (4) § 只有当物质包含米氏酮 (CAS No.: 90-94-8) 或米氏碱 (CAS No.: 101-61-1) 的浓度 $\geq$ 0.1% (w / w) 的情况下, 该物质才被提议定为 SVHC。
- (5) / = 潜在的 SVHC

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。
除非另有说明, 此报告结果仅对检测的样品负责。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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附录

所有检测的 SVHC:

批次	序号	物质名称	CAS No.	RL (%)
I	1	4,4'-二氨基二苯甲烷(MDA)	101-77-9	0.050
I	2	2,4,6-三硝基-5-叔丁基间二甲苯(二甲苯麝香)	81-15-2	0.050
I	3	C10-13 氯代烃(短链氯化石蜡)	85535-84-8	0.050
I	4	萘	120-12-7	0.050
I	5	邻苯二甲酸丁苯酯(BBP)	85-68-7	0.050
I	6	邻苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	0.050
I	7	氧化双三丁基锡(TBTO)	56-35-9	0.050
I	8	二氧化钴*	7646-79-9	0.005
I	9	五氧化二砷*	1303-28-2	0.005
I	10	三氧化二砷*	1327-53-3	0.005
I	11	邻苯二甲酸二丁酯(DBP)	84-74-2	0.050
I	12	六溴环十二烷(HBCDD) 及其非对映异构体(α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	砷酸氢铅*	7784-40-9	0.005
I	14	重铬酸钠*	10588-01-9 /7789-12-0	0.005
I	15	三乙基磷酸酯*	15606-95-8	0.005
II	16	2,4-二硝基甲苯	121-14-2	0.050
II	17	萘油**	90640-80-5	0.050
II	18	萘油, 萘糊**	90640-81-6	0.050
II	19	萘油, 萘糊, 萘馏分**	91995-15-2	0.050
II	20	萘油, 萘糊, 轻油**	91995-17-4	0.050
II	21	萘油, 含萘量少**	90640-82-7	0.050
II	22	邻苯二甲酸二异丁酯	84-69-5	0.050
II	23	铬酸铅*	7758-97-6	0.005
II	24	钼铬红(C.I.颜料红 104)*	12656-85-8	0.005
II	25	铅铬黄(C.I.颜料黄 34)*	1344-37-2	0.005
II	26	沥青, 煤焦油, 高温**	65996-93-2	0.050
II	27	磷酸三(2-氯乙基)酯	115-96-8	0.050
II	28	丙烯酰胺	79-06-1	0.050
III	29	重铬酸铵*	7789-09-5	0.005
III	30	硼酸*	-	0.005
III	31	无水四硼酸钠*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	铬酸钾*	7789-00-6	0.005
III	33	重铬酸钾*	7778-50-9	0.005
III	34	铬酸钠*	7775-11-3	0.005
III	35	水合硼酸钠*	12267-73-1	0.005
III	36	三氯乙烯	79-01-6	0.050
IV	37	乙二醇乙醚	110-80-5	0.050



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批次	序号	物质名称	CAS No.	RL (%)
IV	38	乙二醇单甲醚	109-86-4	0.050
IV	39	铬酸, 铬酸及重铬酸低聚物, 重铬酸*	-	0.005
IV	40	三氧化铬*	1333-82-0	0.005
IV	41	碳酸钴*	513-79-1	0.005
IV	42	乙酸钴*	71-48-7	0.005
IV	43	硝酸钴*	10141-05-6	0.005
IV	44	硫酸钴*	10124-43-3	0.005
V	45	1,2,3-三氯丙烷	96-18-4	0.050
V	46	1,2-苯二酸-二(C6-8 支链)烷基酯(富 C7)	71888-89-6	0.050
V	47	1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯	68515-42-4	0.050
V	48	1-甲基-2-吡咯烷酮	872-50-4	0.050
V	49	乙二醇乙醚醋酸酯	111-15-9	0.050
V	50	联氨	302-01-2 /7803-57-8	0.050
V	51	铬酸锶*	7789-06-2	0.005
VI	52	1,2-二氯乙烷	107-06-2	0.050
VI	53	4,4'-二氨基-3,3'-二氯二苯甲烷	101-14-4	0.050
VI	54	2-甲氧基苯胺	90-04-0	0.050
VI	55	对特辛基苯酚	140-66-9	0.050
VI	56	硅酸铝耐陶瓷纤维*	-	0.005
VI	57	砷酸*	7778-39-4	0.005
VI	58	二乙二醇二甲醚	111-96-6	0.050
VI	59	邻苯二甲酸二甲氧基乙酯	117-82-8	0.050
VI	60	砷酸钙*	7778-44-1	0.005
VI	61	铬酸钴*	24613-89-6	0.005
VI	62	甲醛与苯胺的低聚物	25214-70-4	0.050
VI	63	叠氮化铅*	13424-46-9	0.005
VI	64	苦味酸铅*	6477-64-1	0.005
VI	65	史蒂芬酸铅*	15245-44-0	0.005
VI	66	N,N-二甲基乙酰胺	127-19-5	0.050
VI	67	氢氧化铬酸锌*	49663-84-5	0.005
VI	68	酚酞	77-09-8	0.050
VI	69	氢氧化铬酸钾*	11103-86-9	0.005
VI	70	砷酸铅*	3687-31-8	0.005
VI	71	氧化锆硅酸铝耐陶瓷纤维*	-	0.005
VII	72	C.I.碱性蓝 26§	2580-56-5	0.050
VII	73	C.I.碱性紫 3§	548-62-9	0.050
VII	74	三乙二醇二甲醚(TEGDME)	112-49-2	0.050
VII	75	乙二醇二甲醚(EGDME)	110-71-4	0.050
VII	76	4,4'-二(二甲氨基)二苯甲酮(米氏酮)	90-94-8	0.050
VII	77	4,4'-二(二甲氨基)-4"-甲氨基三苯甲醇§	561-41-1	0.050
VII	78	三氧化二硼*	1303-86-2	0.005



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批次	序号	物质名称	CAS No.	RL (%)
VII	79	甲酰胺	75-12-7	0.050
VII	80	甲基磺酸铅*	17570-76-2	0.005
VII	81	N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷(米氏碱)	101-61-1	0.050
VII	82	1,3,5-三(环氧乙基甲基)-1,3,5-三嗪-2,4,6-(1H, 3H,5H)-三酮(TGIC)	2451-62-9	0.050
VII	83	C.I.溶剂蓝 4S	6786-83-0	0.050
VII	84	1,3,5-三-[(2S 和 2R)-2,3-环氧丙基]-1,3,5-三嗪-2,4,6-(1H, 3H, 5H)-三酮(β-TGIC)	59653-74-6	0.050
VIII	85	二盐基邻苯二甲酸铅*	69011-06-9	0.005
VIII	86	1,2-苯二酸-二(支链与直链)戊基酯	84777-06-0	0.050
VIII	87	乙二醇二乙醚	629-14-1	0.050
VIII	88	1-溴丙烷	106-94-5	0.050
VIII	89	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷	143860-04-2	0.050
VIII	90	对特辛基苯酚乙氧基醚	-	0.050
VIII	91	4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	0.050
VIII	92	4,4'-二氨基二苯醚及其盐	101-80-4	0.050
VIII	93	4-氨基偶氮苯	60-09-3	0.050
VIII	94	2,4-二氨基甲苯	95-80-7	0.050
VIII	95	4-壬基(支链与直链)苯酚	-	0.050
VIII	96	2-甲氧基-5-甲基苯胺	120-71-8	0.050
VIII	97	碱式乙酸铅*	51404-69-4	0.005
VIII	98	4-氨基联苯	92-67-1	0.050
VIII	99	十溴二苯醚(DecaBDE)	1163-19-5	0.050
VIII	100	环己烷-1,2-二羧酸酐, 顺式-环己烷-1,2-二羧酸酐, 反式-环己烷-1,2-二羧酸酐	-	0.050
VIII	101	偶氮二甲酰胺	123-77-3	0.050
VIII	102	二丁基二氯化锡(DBTC)	683-18-1	0.050
VIII	103	硫酸二乙酯	64-67-5	0.050
VIII	104	邻苯二甲酸二异戊酯	605-50-5	0.050
VIII	105	硫酸二甲酯	77-78-1	0.050
VIII	106	地乐酚	88-85-7	0.050
VIII	107	双(十八烷基)二氧代三铅*	12578-12-0	0.005
VIII	108	C16-18-脂肪酸铅*	91031-62-8	0.005
VIII	109	呋喃	110-00-9	0.050
VIII	110	全氟十一烷酸	2058-94-8	0.050
VIII	111	全氟十四烷酸	376-06-7	0.050
VIII	112	甲基六氢邻苯二甲酸酐,4-甲基六氢邻苯二甲酸酐, 1-甲基六氢邻苯二甲酸酐,3-甲基六氢邻苯二甲酸酐	-	0.050
VIII	113	四氟硼酸铅*	13814-96-5	0.005
VIII	114	氨基氟铅盐*	20837-86-9	0.005
VIII	115	硝酸铅*	10099-74-8	0.005



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批次	序号	物质名称	CAS No.	RL (%)
VIII	116	一氧化铅*	1317-36-8	0.005
VIII	117	碱式硫酸铅*	12036-76-9	0.005
VIII	118	四氧化三铅*	1314-41-6	0.005
VIII	119	钛酸铅*	12060-00-3	0.005
VIII	120	钛酸铅锆*	12626-81-2	0.005
VIII	121	甲氧基乙酸	625-45-6	0.050
VIII	122	1,2-环氧丙烷	75-56-9	0.050
VIII	123	N,N-二甲基甲酰胺	68-12-2	0.050
VIII	124	N-甲基乙酰胺	79-16-3	0.050
VIII	125	邻苯二甲酸正戊基异戊基酯	776297-69-9	0.050
VIII	126	邻-氨基偶氮甲苯	97-56-3	0.050
VIII	127	2-氨基甲苯	95-53-4	0.050
VIII	128	全氟十三烷酸	72629-94-8	0.050
VIII	129	硫酸四氧化五铅*	12065-90-6	0.005
VIII	130	铅锑黄*	8012-00-8	0.005
VIII	131	掺杂铅的硅酸钡*	68784-75-8	0.005
VIII	132	硅酸铅*	11120-22-2	0.005
VIII	133	二碱式亚硫酸铅*	62229-08-7	0.005
VIII	134	四乙基铅*	78-00-2	0.005
VIII	135	硫酸三氧化四铅*	12202-17-4	0.005
VIII	136	全氟十二烷酸	307-55-1	0.050
VIII	137	碱式碳酸铅*	1319-46-6	0.005
VIII	138	二碱式亚磷酸铅*	12141-20-7	0.005
IX	139	4-壬基(支链与直链)苯酚乙氧基醚	-	0.050
IX	140	全氟辛酸铵(APFO)**	3825-26-1	0.050
IX	141	氧化镉*	1306-19-0	0.005
IX	142	镉	7440-43-9	0.005
IX	143	邻苯二甲酸二正戊酯(DPP)	131-18-0	0.050
IX	144	全氟辛酸(PFOA)	335-67-1	0.050
X	145	硫化镉*	1306-23-6	0.005
X	146	邻苯二甲酸二正己酯	84-75-3	0.050
X	147	C.I.直接红 28	573-58-0	0.050
X	148	C.I.直接黑 38	1937-37-7	0.050
X	149	2-巯基咪唑啉	96-45-7	0.050
X	150	乙酸铅*	301-04-2	0.005
X	151	磷酸三二甲苯酯	25155-23-1	0.050
XI	152	邻苯二甲酸二(支链与直链)己基酯	68515-50-4	0.050
XI	153	氯化镉*	10108-64-2	0.005
XI	154	水合过硼酸钠*	-	0.005
XI	155	过硼酸钠*	7632-04-4	0.005
XII	156	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV-328)	25973-55-1	0.050



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(SVHC)

编号: XMNPC25000343602

日期: 2025 年 03 月 07 日

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批次	序号	物质名称	CAS No.	RL (%)
XII	157	2-苯并三唑-2-基-4,6-二叔丁基苯酚 (UV-320)	3846-71-7	0.050
XII	158	二正辛基-双(2-乙基己基巯基乙酸酯)锡 (DOTE)	15571-58-1	0.050
XII	159	氟化镉*	7790-79-6	0.005
XII	160	硫酸镉*	10124-36-4 /31119-53-6	0.005
XII	161	二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)和单辛基-三(2-乙基己基巯基乙酸酯)锡(MOTE)的反应物	-	0.050
XIII	162	1,2-苯二甲酸, 二(C6-10)烷基酯 / 1,2-苯二甲酸, 混合二己二辛二癸酯, 其中邻苯二甲酸二己酯含量≥0.3%	-	0.050
XIII	163	5-二叔丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1], 5-二叔丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]	-	0.050
XIV	164	1,3-丙磺酸内酯	1120-71-4	0.050
XIV	165	2,4-二叔丁基-6-(5-氯苯并三唑-2-基)苯酚 (UV-327)	3864-99-1	0.050
XIV	166	2-(2H-苯并三唑-2-基)-4-(叔丁基)-6-(仲丁基)苯酚 (UV-350)	36437-37-3	0.050
XIV	167	硝基苯	98-95-3	0.050
XIV	168	全氟壬酸及其钠盐和铵盐	-	0.050
XV	169	苯并(a)蒽	50-32-8	0.050
XVI	170	4,4'-异丙基联苯酚(双酚 A)	80-05-7	0.050
XVI	171	4-庚基(支链与直链)苯酚	-	0.050
XVI	172	全氟癸酸(PFDA)及其钠盐和铵盐	-	0.050
XVI	173	对叔戊基苯酚	80-46-6	0.050
XVII	174	全氟己烷-1-磺酸及其盐	-	0.050
XVIII	175	双(六氯环戊二烯)环辛烷(包含任何顺式与反式同分异构体或其组合)	-	0.050
XVIII	176	苯并蒽(BaA)	56-55-3	0.050
XVIII	177	硝酸镉*	10325-94-7	0.005
XVIII	178	碳酸镉*	513-78-0	0.005
XVIII	179	氢氧化镉*	21041-95-2	0.005
XVIII	180	蒽(CHR)	218-01-9	0.050
XVIII	181	1,3,4-噻二唑-2,5-二硫酮、甲醛与支链和直链4-庚基苯酚的反应产物(RP-HP)[含有支链和直链4-庚基苯酚重量比≥0.1%]	-	0.050
XIX	182	1,2,4-苯三酸酐(偏苯三酸酐)(TMA)	552-30-7	0.050
XIX	183	苯并(g,h,i)花(二苯嵌苯)(BPE)	191-24-2	0.050
XIX	184	十甲基环五硅氧烷(D5)	541-02-6	0.050
XIX	185	邻苯二甲酸二环己酯(DCHP)	84-61-7	0.050
XIX	186	氧化硼钠*	12008-41-2	0.005



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(SVHC)

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批次	序号	物质名称	CAS No.	RL (%)
XIX	187	十二甲基环六硅氧烷(D6)	540-97-6	0.050
XIX	188	乙二胺(EDA)	107-15-3	0.050
XIX	189	铅	7439-92-1	0.005
XIX	190	八甲基环四硅氧烷(D4)	556-67-2	0.050
XIX	191	氢化三联苯	61788-32-7	0.050
XX	192	1,7,7-三甲基-3-(苯基亚甲基)双环[2.2.1]庚-2-酮 (3-亚苄基樟脑)	15087-24-8	0.050
XX	193	4,4'-(1,3-二甲基丁基)二苯酚(1,3-DMBBP)	6807-17-6	0.050
XX	194	苯并(k)荧蒽(BkF)	207-08-9	0.050
XX	195	荧蒽(FLT)	206-44-0	0.050
XX	196	菲(PHE)	85-01-8	0.050
XX	197	芘(PYR)	129-00-0	0.050
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基 卤化物(包括单体和组合)(HFPO-DA)	-	0.050
XXI	199	2-甲氧基乙基乙酸酯	110-49-6	0.050
XXI	200	4-叔丁基苯酚(PTBP)	98-54-4	0.050
XXI	201	三(4-壬基苯基, 支链和直链)亚磷酸酯(TNPP)	-	0.050
XXII	202	2-苄基-2-二甲基氨基-4'-吗啉基苯基丁酮	119313-12-1	0.050
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮	71868-10-5	0.050
XXII	204	邻苯二甲酸二异己酯	71850-09-4	0.050
XXII	205	全氟丁烷磺酸及其盐	-	0.050
XXIII	206	1-乙烯基咪唑	1072-63-5	0.050
XXIII	207	2-甲基咪唑	693-98-1	0.050
XXIII	208	对羟基苯甲酸丁酯	94-26-8	0.050
XXIII	209	双(乙酰丙酮基)二丁基锡**	22673-19-4	0.050
XXIV	210	四乙二醇二甲醚	143-24-8	0.050
XXIV	211	二月桂酸二辛基锡及任何其他二辛基锡双(脂肪 酰氧基)衍生物**	-	0.050
XXV	212	1,4-二氧六环	123-91-1	0.050
XXV	213	二溴新戊二醇(BMP); 三溴新戊醇(TBNPA); 2,3-二溴-1-丙醇(2,3-DBPA)	-	0.050
XXV	214	铃兰醛及其立体异构体	-	0.050
XXV	215	双酚 B	77-40-7	0.050
XXV	216	戊二醛	111-30-8	0.050
XXV	217	中链氯化石蜡(MCCP)	-	0.050
XXV	218	原硼酸钠盐*	13840-56-7	0.005
XXV	219	对十二烷基苯酚及其异构体(PDDP)	-	0.050
XXVI	220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]二环 [2.2.1]庚-2-酮, 包括各个异构体和/或其组合(4- MBC)	-	0.050
XXVI	221	2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚) (DBMC)	119-47-1	0.050



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批次	序号	物质名称	CAS No.	RL (%)
XXVI	222	S-(三环[5.2.1.0 ^{2,6}]癸-3-烯-8(或 9)-基) O-(异丙基或异丁基或 2-乙基己基) O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯	255881-94-8	0.050
XXVI	223	乙烯基-三(2-甲氧基乙氧基)硅烷	1067-53-4	0.050
XXVII	224	N-羟甲基丙烯酰胺	924-42-5	0.050
XXVIII	225	1,2-双(2,4,6-三溴苯氧基)乙烷	37853-59-1	0.050
XXVIII	226	四溴双酚 A	79-94-7	0.050
XXVIII	227	双酚 S	80-09-1	0.050
XXVIII	228	四氧化二硼钨*	13701-59-2	0.005
XXVIII	229	四溴邻苯二甲酸双(2-乙基己基)酯	-	0.050
XXVIII	230	对羟基苯甲酸异丁酯	4247-02-3	0.050
XXVIII	231	三聚氰胺	108-78-1	0.050
XXVIII	232	全氟庚酸及其盐类	-	0.050
XXVIII	233	全氟异丙基吗啉和全氟丙基吗啉混合物*	-	0.050
XXIX	234	双(4-氯苯基)砒	80-07-9	0.050
XXIX	235	二苯基(2,4,6-三甲基苯甲酰基)氧化膦	75980-60-8	0.050
XXX	236	2,4,6-三叔丁基苯酚	732-26-3	0.050
XXX	237	2-(2'-羟基-5'-叔辛基苯基)苯并三唑 (UV-329)	3147-75-9	0.050
XXX	238	2-(4-甲基苄基)-2-(二甲氨基)-1-(4-吗啉基)-1-丁酮 (PI-379)	119344-86-4	0.050
XXX	239	布美三唑 (UV-326)	3896-11-5	0.050
XXX	240	2-苯基丙烯与苯酚的低聚和烷基化反应产物	-	0.050
XXXI	241	过氧化二异丙苯	80-43-3	0.050
XXXI	242	磷酸三苯酯	115-86-6	0.050
XXXII	243	6-[(C10-C13)-烷基-(支链, 不饱和)-2,5-二氧代吡咯烷-1-基]己酸	2156592-54-8	0.050
XXXII	244	O,O,O-三苯基硫代磷酸酯	597-82-0	0.050
XXXII	245	八甲基三硅氧烷	107-51-7	0.050
XXXII	246	全氟三丙胺	338-83-0	0.050
XXXII	247	三苯基硫代磷酸酯和叔丁基苯基生物的反应产物	192268-65-8	0.050
/	248	甲基三(三甲基硅氧烷基)硅烷	17928-28-8	0.050
/	249	十甲基四硅氧烷	141-62-8	0.050
/	250	活性棕 51	-	0.100
/	251	间苯二酚	108-46-3	0.050
/	252	十二甲基五硅氧烷	141-63-9	0.050
/	253	六甲基二硅氧烷	107-46-0	0.050



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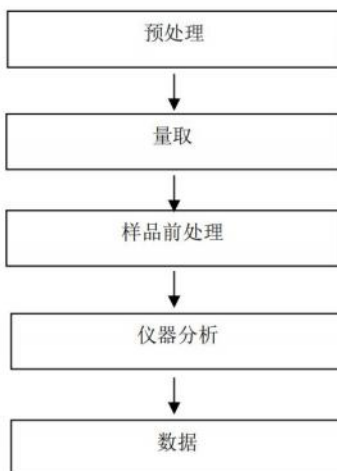
附件

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检测流程图



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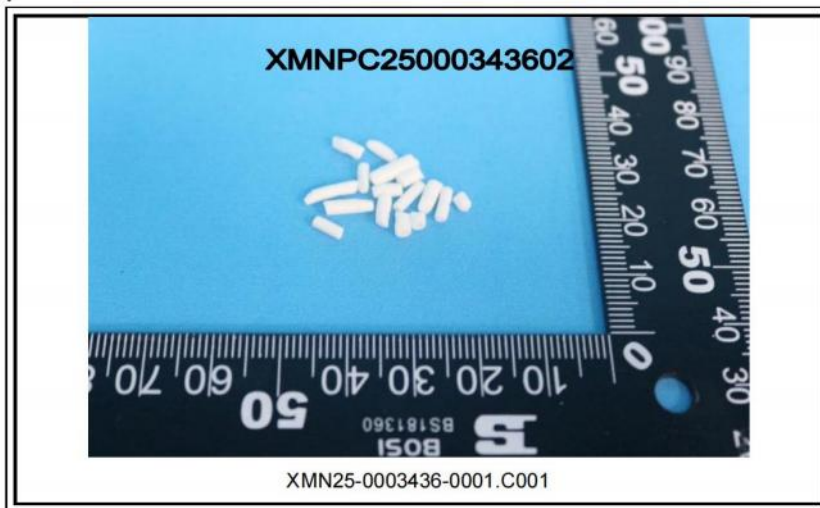
检测报告
(SVHC)

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检测报告

编号：XMNPC25000343601

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客户名称：广州帕柯斯新材料有限公司

客户地址：广州市天河区珠江新城珠江东路 30 号广州银行大厦 601

样品名称：PCTG 抗菌母粒

以上样品及信息由客户提供。

SGS 工作编号：XMIN2503000493PC01

收样日期：2025 年 03 月 03 日

检测周期：2025 年 03 月 03 日 ~ 2025 年 03 月 07 日

检测要求：根据客户要求检测

检测方法：见后续页。

检测结果：见后续页。

检测要求	结论
1 欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)	符合

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陈梅金

Rae Chen 陈梅金
批准签署人

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检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	001	XMN25-0003436-0001.C001	米白色物料颗粒

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL= 方法检出限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)

检测方法: 参考 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 和 IEC 62321-8:2017, 采用 ICP-OES/AAS, UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	001
铅 (Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND
一溴联苯 (MonoBB)	-	mg/kg	5	ND
二溴联苯 (DiBB)	-	mg/kg	5	ND
三溴联苯 (TriBB)	-	mg/kg	5	ND
四溴联苯 (TetraBB)	-	mg/kg	5	ND
五溴联苯 (PentaBB)	-	mg/kg	5	ND
六溴联苯 (HexaBB)	-	mg/kg	5	ND
七溴联苯 (HeptaBB)	-	mg/kg	5	ND
八溴联苯 (OctaBB)	-	mg/kg	5	ND
九溴联苯 (NonaBB)	-	mg/kg	5	ND
十溴联苯 (DecaBB)	-	mg/kg	5	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	5	ND
二溴二苯醚 (DiBDE)	-	mg/kg	5	ND
三溴二苯醚 (TriBDE)	-	mg/kg	5	ND
四溴二苯醚 (TetraBDE)	-	mg/kg	5	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	5	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	5	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	5	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	5	ND



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检测项目	限值	单位	MDL	001
九溴二苯醚 (NonaBDE)	-	mg/kg	5	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	5	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	ND

备注:

- (1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。
 - (2) IEC 62321 系列等同于 EN 62321 系列。
 - (3) 2021 年 7 月 22 号开始, DEHP, BBP, DBP 和 DIBP 的限制适用于医疗器械, 包括体外医疗器械, 监控仪表, 包括工业监测和控制仪器。
- 除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。
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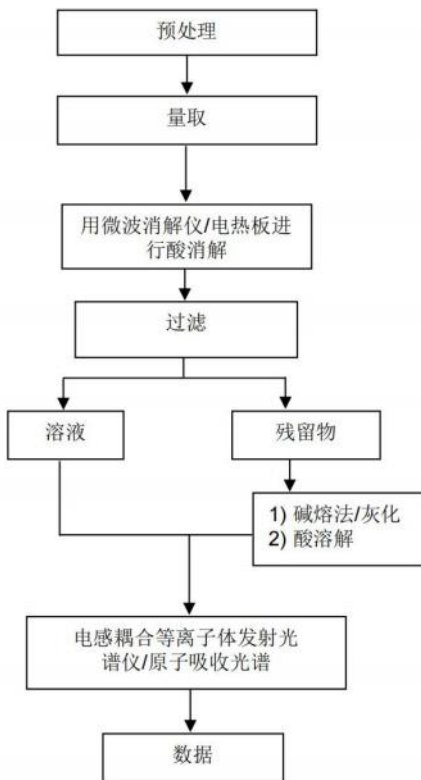
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元素检测流程图

样品按照下述流程被完全消解



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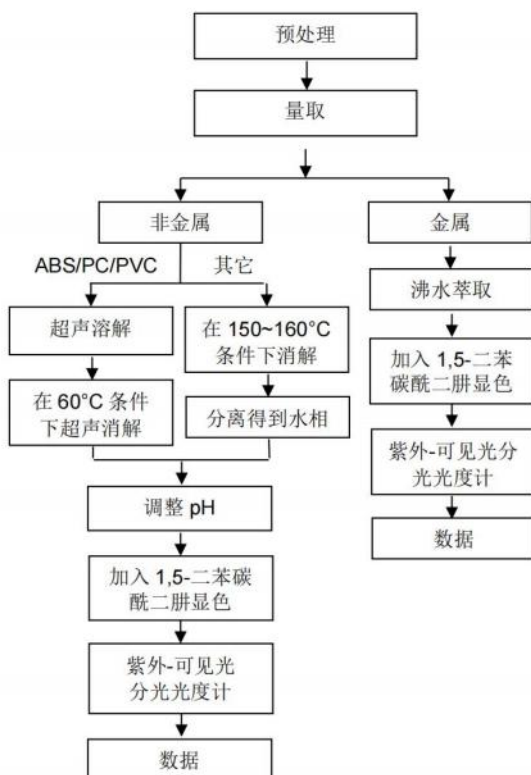
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六价铬检测流程图



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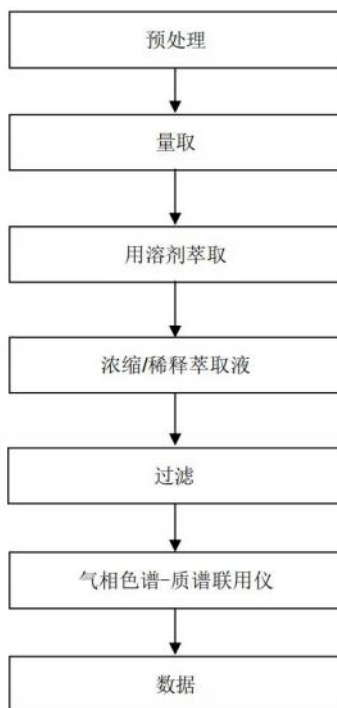
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PBB/PBDE 检测流程图



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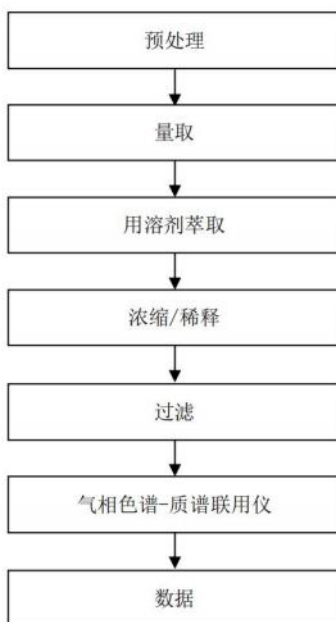
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Phthalates 检测流程图



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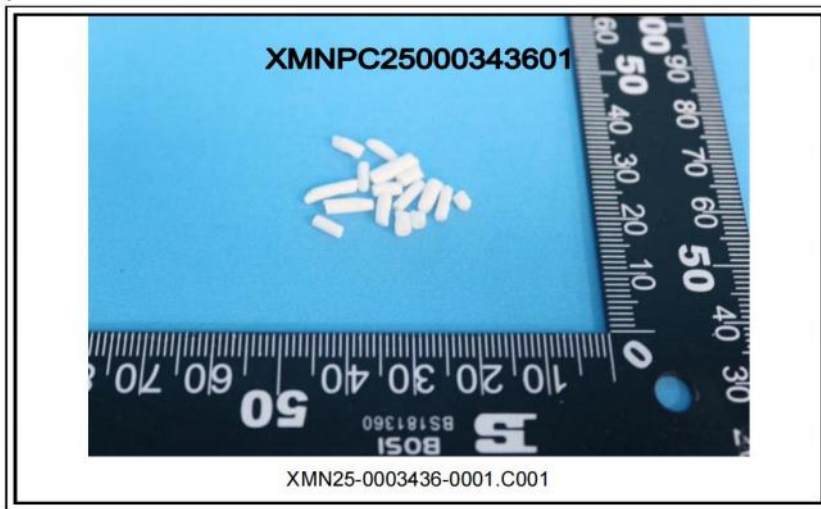
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