

Test Report



No: 220332249

Verification Website: www.gttctech.com

Verification Code: CBEH-1991-24

Issue Date 签发日期: 2022-12-13

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Applicant: Shenzhen Esun Industrial CO., Ltd.

委托单位: 深圳光华伟业股份有限公司

Address: Wuhan University Building A403-I and A901, No.6 Yuexing 2 Road, Nanshan District,

地 址: Shenzhen, China

深圳市南山区粤兴二道6号武汉大学深圳产学研大楼A403-I及A901

Information confirmed by applicant 客户认定信息:

聚乳酸纤维PLA Fiber 100g

Brand 商标: ESUN

Colour 颜色: WHITE白色

Manufacturer 生产单位: Shenzhen Esun Industrial CO., Ltd. 深圳光华伟业股份有限公司

Basis of judgement 判定依据:

GB/T 20944.3-2008 <Textiles—Evaluation for antibacterial activity—Part 3: Shake flask method> 《纺织品 抗菌性能的评价 第3部分: 振荡法》

Date Received/Date Test Started: 2022-12-02

样品受理/测试开始日期: 2022-12-02

Conclusion 结论:

Inhibition

M

抗菌率

Note: "M"—Meet the standard's requirement "F"—Fail to meet the standard's requirement

"—"—No comment

备注: "M"—符合标准要求 "F"—不符合标准要求

"—"—此项目不判定

Remark:

All the tested items are tested under the standard condition (except for indication).

本报告中检验检测项目均在相应标准规定的环境条件下进行(有注明的除外)。

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The experiment was carried out at No.1, Zhujiang Road, Panyu District, Guangzhou, Guangdong, P. R. China.

本报告检验检测地址为广州市番禺区珠江路1号。

Approved By(签发):

赖红敏 工程师

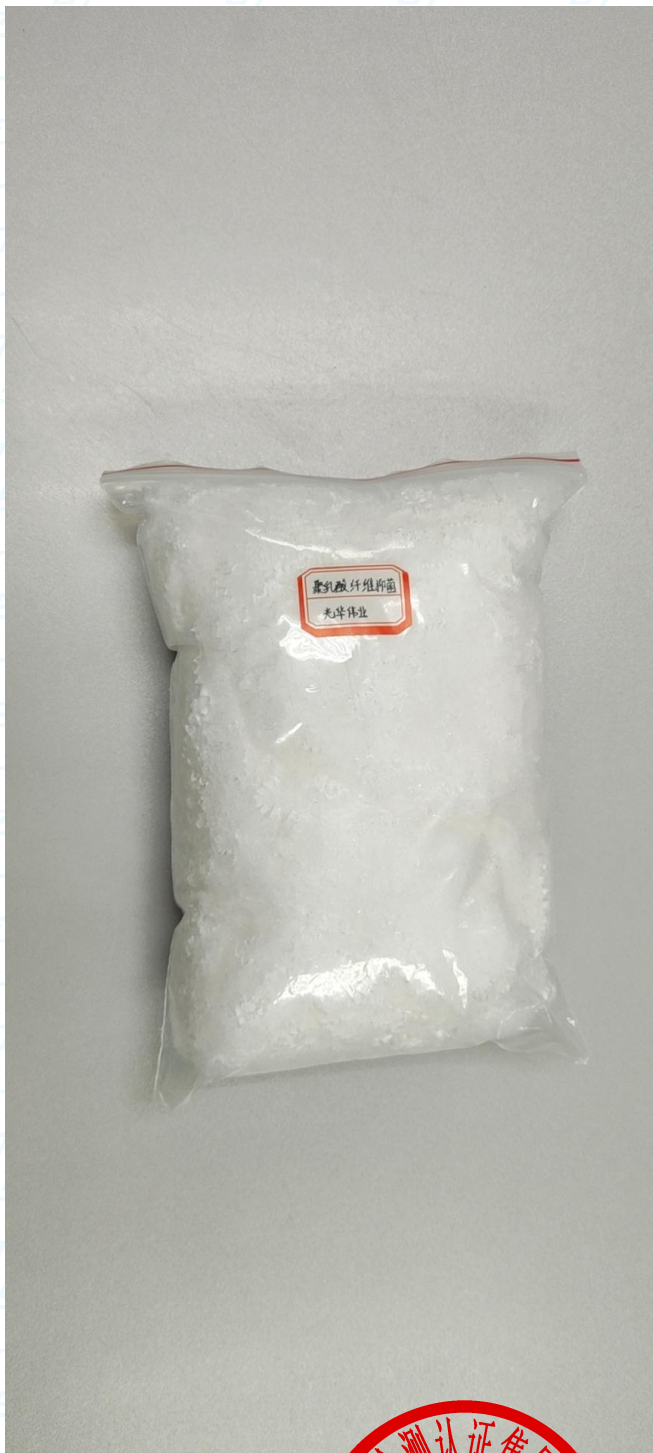
HongMin Lai Engineer

HongMin Lai



Test Report

No:220332249



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Inhibition 抗菌率

Test method 测试方法:

GB/T 20944.3-2008

Shake flask method 振荡法

Sterilization of samples: Sterilized in autoclave 样品灭菌方法: 高压蒸汽灭菌

Contact time: 18h 样品与菌液接触培养时间: 18h

Control fabric: 100% cotton fabric 对照样品: 100%纯棉织布

Concentration of bacterium 菌液浓度:

Staphylococcus aureus ATCC 6538 金黄色葡萄球菌 ATCC 6538: 4.0×10^5 CFU/mL

Colon bacillus 8099 大肠杆菌 8099: 3.0×10^5 CFU/mL

Candida albicans ATCC 10231 白色念珠菌 ATCC 10231: 3.0×10^5 CFU/mL



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Test result 检验检测结果:

Test bacteria 测试菌种	Number of bacteria 菌落总数 (CFU/mL)			Growth value F 增长值F	Inhibition 抑菌率 (%)	Requirement 标准要求 (%)
	Control fabric 对照试样		Treated test specimen 抗菌试样			
	At "0h" contact time 0h接触时间内	After "18h" contact time 培养18h后	After "18h" contact time 培养18h后			
Staphylococcus aureus 金黄色葡萄球菌	2.0×10^4	1.9×10^6	3.5×10^4	2.0	98	≥ 70
Colon bacillus 大肠杆菌	2.1×10^4	5.0×10^6	3.7×10^5	2.4	93	≥ 70
Candida albicans 白色念珠菌	1.8×10^4	5.4×10^5	5.6×10^4	1.5	90	≥ 60
The evaluation of antimicrobial activity 抗菌效果评价	Have antimicrobial activity 样品具有抗菌效果					
Basis of judgement 判定依据	GB/T 20944.3-2008					
Conclusion 结论	Pass 符合					
Remark 备注	---					

Page 4 of 4

——本报告结束(End of Report)——



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