



PAPER

YARNS&COLORS

OUTLINE

PAPER

PAPER YARN

SUSTAINABLE
DEVELOPMENT

INTRODUCTION

PRODUCTS

Source

Production Process

Characteristic

Fiber Comparison

Product Series

Certification

ENVIRONMENTAL FRIENDLY

Biodegradable
Paper
Yarn



PHOTO/PINTEREST

SUSTAINABLE DEVELOPMENT-PAPER

Whether spontaneous or passive, the global brands' environmental/climate/social responsibility is based on sustainable development and its environmental ecological benefits, emphasizing the repeated and effective application of energy and focusing on the environmental friendliness of the product's life cycle.

ENVIRONMENTAL FRIENDLY

PAPER

PROTECT



PHOTO/PINTEREST

INTRODUCTION

PAPER fiber is a fiber extracted from perennial Manila hemp plants where the products are biodegradable. The fiber is taken from nature and then given back.



MANILA HEMP (BANANA HEMP)

The Philippines is the largest producer of banana hemp in the world. (*Musa Textilis Nee*) Manila hemp (*Musa textilisnee*) is a native variety of the Philippines and belongs to MusaceaeBACA(*Musa Textilis Nee*)

PHOTO/PINTEREST



LOCAL EMPLOYMENT OPPORTUNITIES

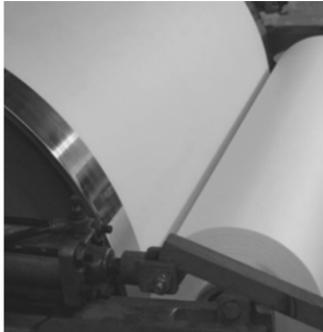
In the Philippines, there are more than 130,000 hectares of land and 90,000 farmers that are engaged in planting. It is a labor-intensive industry that can provide more local employment opportunities and increase farmers' income

PRODUCTION PROCESS



PHOTO/PINTEREST

4. BASE PAPER SLITTING /TWISTING



1. FIBER MAKING PROJECT

The leaf sheath of Manila hemp was used as raw material, which was made into raw material through a fiber making treatment

2. PULP GRID PROJECT

The hemp pulp is refined and pulped, so that the fibers form a uniform network distribution

3. MADE FROM SLIM RAW STOCK

Slit and wind thin base paper by continuous multi-pass slitting process

PAPER CHARACTERISTIC

PAPER

fiber a has light weight, cool feeling, good heat preservation, quick moisture and perspiration absorption, antibacterial and odor elimination functions, and can keep the body dry and humidity in control



LIGHT WEIGHT



Anti-bacterium
and anti-sticking



Moisture
management



Feature



PHOTO/PINTEREST

FEATURE



BIODEGRADABLE MATERIAL

For the use of biodegradable materials and environmentally friendly natural materials globally.



ENVIRONMENTAL BENEFITS

Increase soil water holding capacity, soil biodiversity, and improve plant erosion control. Waste can be used as organic fertilizer and improve soil.



STRONG FIBER TENACITY

The fiber has strong adhesion and good washing resistance.

PHOTO/PINTEREST

FEATURE



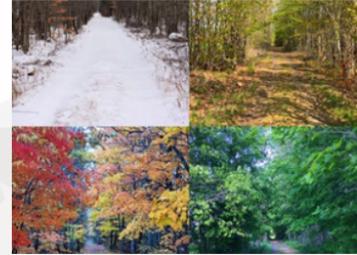
SUPER LIGHTWEIGHT

The specific gravity is 1/3 of that of ordinary cotton



ANTIBACTERIAL AND DEODORANT/DRY AND HUMIDITY CONTROL

1. Hemp fiber itself has an antibacterial property, which can reduce peculiar smells
2. Keeps the body dry and moisturized



WARM IN WINTER AND COOL IN SUMMER

The water absorption is about 2 times that of cotton, keeping the surface dry and soft

COMPARISON

MANILA HEMP/COTTON/POLYESTER

Manila Hemp Fiber

Fiber Length/Hand
Feel/Hygroscopicity/Durability/
Acid Resistance/Antistatic

Superior

PAPER /YARNS&COLORS

MANILA HEMP

Comparison of Fibers

Items	Hemp Yarn	Cotton Yarn	Polyester
Materials	Manila hemp	Cotton	Polymer
Fiber type	Long Fiber	Short Fiber	Long/ Short Fiber
Hand feel	Good	Good	Good
Wet Absorption(%)	9.9	7	0.4~0.5
Abrasion	High	Medium	High
Anti Acid	High	High	High
Light fastness	Medium	Low	Medium
Antistatic	High	High	Medium

PAPER SERIES PRODUCTS

YARNS&COLORS

SPRING / SUMMER:

AUDIA/CS0662/1/11NM/66%PAPER 34%COTTON

NOBEL/ CS1467/2/48NM/54%PAPER 46%VISCOSE

TABO/ CS0747/ 2/44NM/ 100% PAPER

AUTUMN / WINTER:

KIKI/ CF0476/ 3/32NM/ 24% PAPER 76%

MERCERIZED WOOL



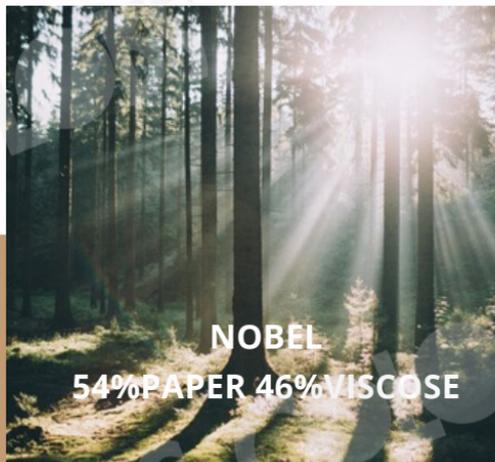
LIGHT WEIGHT



Careful - bacterium
and anti-stinking



Moisture
management



NOBEL

54%PAPER 46%VISCOSE



KIKI

24% PAPER 76%
MERCERIZED WOOL



AUDIA

66%PAPER 34%COTTON



TABO

100% PAPER

PHOTO/PINTEREST

TEST REPORT

Number : SHAT05413441

Applicant : YAMEN & COLORS CO., LTD.
NO.3008, DONGSHAN AVENUE, LINGHU TOWN,
WAZHONG DISTRICT, SUZHOU CITY
Attn : SUN ZHIFU

Date : Mar 03, 2018

Sample Description As Declared :

No. Of Sample : One
Fiber Content : 100% Paper Yam
Material : Yam, 2/44NM, CS0752 TABO
Finishing : -
End Uses : -
Colour : Raw White
Style No. : -
Order No./PO No. : -
Buyer's Name : -
Manufacturer's Name : -
Ref. : -

Applicant's Provided Care Instruction/Label : -

Date Received/Date Test Started : Mar 01, 2018

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



Jennifer Ren
General Manager

PAPER US TEST REPORT

TEST REPORT

Number : SHAT05413441

Tests Conducted (As Requested By The Applicant)

1. Fibre Analysis:

AATCC 20-2013

	Method
100% Paper Yam*	100% Paper Yam

Remark : *The Fiber Name Refers to Eu Regulation. The Result Is Just For Reference
Follow ISO 1533 Method

End of Report

This report is made solely on the basis of test instructions and/or information and samples supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of the report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations other than those expressly set out in the report and is not liable for any loss arising out of or in connection with this report, in whatever way, in addition to or otherwise, except in the event of our gross negligence or willful misconduct.

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CHINA TEST REPORT

Intertek



TEST REPORT

Number : SHAT04930913
报告号:

Date: Apr 24, 2017
日期:

Applicant : YARNS & COLORS CO., LTD.
申请公司: 苏州锦祥纺织染整有限公司
NO.3008, DONGSHAN AVENUE, LINGHU TOWN,
WUZHONG DISTRICT, SUZHOU CITY
苏州吴中区临湖镇东山东大道 3008 号
Attn : 孙智慧
联系人:

Sample Description :
样品描述 样品数量:

One(1) Bundle Of Submitted Yarn In White
客户认定为 1 卷纱线, 颜色为白色

Date Received/Date Test Started : APRIL 21, 2017
接收日期/测试开始日期

Style No : B4805 CS0173 AA597C2284
款号

Document Accordance : GB/T 29862-2013 Textiles - Identification Of Fiber Content
判定依据

Test Type : Commission Test (Submitted Test)
检验类别

Ref. : 样品描述: 筒子
备注
成分: 1/17NM 100LINEN

批准
Approved by

吴浩

审核

Checked by

沈玉洁

主检

Tested by

何颖



Page 2

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No.880 Yixian Rd., Shanghai 200233, China
Tel: +86 21 6120 6000 Fax: +86 21 6485 0262 E-mail: testlab.shanghai@intertek.com

Intertek



TEST REPORT

Number : SHAT04930913
报告号:

Conclusion:
结论

Fibre Analysis(纤维成分定性分析)

*1

Note : M = Meet Document Accordance

F = Below Document Accordance

备注: M = 符合判定依据

F = 低于判定依据

= No Specified Requirement

= No Submitted Information

= 没有指定要求

* = 没有提供信息

N/A = Not Applicable

N/A = 不适用

*1 = The Sample Shall Be Labelled As: Cellulose Material

*1 = 建议样品纤维含量标识为: 纤维素材料

Remark: The Chinese Version Of This Test Report Is The Standard One, The English Version Is Only For Reference. The Report Is Valid With Commission Test Only For The Samples In The Case Of Delivered Samples By Clients.

备注: 此报告以中文为主, 英文仅作参考。委托检验仪对来样负责。

批准
Approved by

吴浩

审核

Checked by

沈玉洁

主检

Tested by

何颖



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Intertek



TEST REPORT

Number : SHAT04930913
报告号:

Tests Conducted (As Requested By The Applicant)
测试内容 (以下测试依据申请人要求进行)

1 Fibre Analysis (FZ/T 01057.1-4-2007):
纤维成分定性分析(FZ/T 01057.1-4-2007):

Cellulose Material/纤维素材料

End of

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批准

审核

主检



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PAPER ANTIBACTERIAL REPORT

紡織實驗室

Test Report 報告號碼: TXS2241A /2017 /SP 日期: 2017 年 06 月 14 日 頁數: 二 之 二 頁

測試結果:

抗菌紡織品驗證規範 (FTTS-FA-027 1.0)

一般紡織品

20 天水洗後

試驗菌種: 金黄色葡萄球菌 Staphylococcus aureus ATCC 6538		
吸收法	CFU	LOG
試驗菌液濃度 (CFU/mL)	1.3x10 ⁶	5.11
對照組 0 小時菌數 (G)	1.9x10 ⁶	4.27
對照組 18 小時菌數 (C)	6.0x10 ⁵	6.77
樣品組 0 小時菌數 (F)	2.4x10 ⁵	3.38
樣品組 18 小時菌數 (E)	1.2x10 ⁵	2.07
對照組增殖率 (F) F=logC-logG	樣品組增殖率 (G) G=logE-logE	抗菌活性值 (A) A=(logC-logG)-(logE-logE)
2.50	-1.31	4.70

試驗菌種: 肺炎桿菌 Klebsiella pneumonia ATCC 4352		
吸收法	CFU	LOG
試驗菌液濃度 (CFU/mL)	1.4x10 ⁶	5.14
對照組 0 小時菌數 (G)	2.7x10 ⁵	4.43
對照組 18 小時菌數 (C)	2.3x10 ⁵	7.36
樣品組 0 小時菌數 (F)	1.9x10 ⁵	3.27
樣品組 18 小時菌數 (E)	2.9x10 ⁴	4.30
對照組增殖率 (F) F=logC-logG	樣品組增殖率 (G) G=logE-logE	抗菌活性值 (A) A=(logC-logG)-(logE-logE)
2.93	1.03	3.06

備註:

1. 測試報告僅供委託者之參考事項提供測試結果, 不對產品合法性做判斷。
2. 本報告不得會離或翻錄使用。
3. 試驗菌液濃度應介於 1.0x10⁵-8.0x10⁶ CFU/mL。
4. 對照組增殖率 (F) ≥ 1.0 表示試驗成功。
5. 抗菌活性值 (A) 的計算, 當 logG > logE, 則以 logG 替代 logE。

* 水洗條件: 依照國際標準組織 ISO 6330: 2012 - 3G - 機器洗 - 水溫 30±3°C - 掛乾
由其他 SGS 實驗室執行

*** 結束 ***



Thank You!

YARNS&COLORS