

TEST REPORT

Number: GZHT02326924

Applicant: SHANTOU HONGYANG CLOTHING CO.,LTD
DIAGONALLY OPPOSITE TO NO.38, BAOHUI
WEST 12TH STREET, SIXIA, SIMAPU YOWN
CHAONAN DISTRICT SHANTOU CITY
GUANGDONG PROVINCE
Attn: 刘晓丹

Date: Sep 01, 2020

Sample Description As Declared :

No. Of Sample : One
Fibre Content : 100% Cotton
Material : Knitted Fabric
Finishing : -
End Uses : Adult (Yoga/Face Mask)
Season : -
Colour : White
Style No. : -
Order No./PO No. : -
Buyer's Name : Embrace Yourself
Manufacturer's Name : -
Ref. : -

Applicant's Provided Care Instruction/Label :

-
Date Received/Date Test Started : Aug 13, 2020
Date Final Information Confirmed: -

Prepared And Checked By:
For Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Branch



Lin Lin
General Manager

hyt / miacofang



Page 1 Of 3

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Branch

3/F, Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: +86 20 8396 6868 Fax: +86 20 8222 8169 Postcode:510730

www.intertek.com

TEST REPORT

Number: GZHT02326924

Tests Conducted (As Requested By The Applicant)

1 Antibacterial Activity Test (Quantitative)

Washing Condition : 50 Cycles Of ISO 6330, Test Programme 9N, 90°C, Flat Dry.

ISO 20743:2013 <Determination of antibacterial activity of antibacterial finished products-absorption method>

Sterilization in the autoclave (121°C, 15min) Of Sample Before Test.

Contact Time: 18-24 Hours

Incubation Temperature: 37±2°C

Concentration: 1.4×10⁵ cfu/mL

Quantity: 0.2mL

Test Sample: 0.4g

Test culture: *Staphylococcus aureus* (ATCC 6538)

Klebsiella pneumoniae (ATCC 4352)

Escherichia Coli (ATCC25922/ATCC 8739)

Candida Albicans (ATCC 10231)

Results:

Test bacteria	Staphylococcus aureus	Klebsiella Pneumoniae	Escherichia coli	Candida albicans
Concentration of inoculums (CFU/mL)	1.7 ×10 ⁵	2.4 ×10 ⁵	2.4 ×10 ⁵	1.5 ×10 ⁵
Growth value of the control F (F= lgC _t -lgC ₀)	3.3 (lgC _t : 7.8 , lgC ₀ : 4.5)	3.2 (lgC _t : 7.9 , lgC ₀ : 4.7)	3.2 (lgC _t : 7.9 , lgC ₀ : 4.7)	2.2 (lgC _t : 6.7 , lgC ₀ : 4.5)
Growth value of the sample G (G= lgT _t -lgT ₀)	-3.2 (lgT _t : 1.3 , lgT ₀ : 4.5)	1.4 (lgT _t : 6.1 , lgT ₀ : 4.7)	2.1 (lgT _t : 6.8 , lgT ₀ : 4.7)	-0.6 (lgT _t : 3.9 , lgT ₀ : 4.5)
Antibacterial activity value A (A=F-G)	6.5	1.8	1.1	2.8
Measuring method	Plate count method	Plate count method	Plate count method	Plate count method

hyt / miacofang

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Branch

3/F, Hengyun Building, 235 Kaifa Ave., Guangzhou

Economic & Technological Development District, Guangzhou, China

深圳天祥质量技术服务有限公司广州开发区分公司

中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼

Tel: +86 20 8396 6868 Fax: +86 20 8222 8169 Postcode:510730

www.intertek.com

TEST REPORT

Number: GZHT02326924

Tests Conducted (As Requested By The Applicant)

Sample Received Condition: Sample In Closed Plastic Bag

Preparation of sample: The submitted sample was washed for 50 wash and then subjected to the following test.

Remark:

C_t =the average number of bacteria, obtained from three test control fabric after an 18-24h incubation;

C_0 =the average number of bacteria, obtained from three test control fabric immediately after incubation;

T_t =the average number of bacteria, obtained from three test treated sample after an 18-24h incubation;

T_0 =the average number of bacteria, obtained from three test treated sample immediately after incubation;

CFU= Colony forming unit

From the testing result, the efficacy of antibacterial property of the test fabric can be considered as shown in below table.

Efficacy of antibacterial property*

Efficacy of antibacterial property	Antibacterial value: A
Significant	$2 < A \leq 3$
Strong	≥ 3

Remark: The test was performed by an approved subcontractor laboratory which is part of the Intertek Group.

End of Report

This report is made solely on the basis of your instructions and/or information and materials 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 this 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 either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. No copy of the test report(except for full text copy) shall be made without the written approval by Intertek.

hyt / miacofang

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Branch

3/F, Hengyun Building, 235 Kaifa Ave., Guangzhou

Economic & Technological Development District, Guangzhou, China

深圳天祥质量技术服务有限公司广州开发区分公司

中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼

Tel: +86 20 8396 6868 Fax: +86 20 8222 8169 Postcode: 510730

www.intertek.com