



Value Quality. Delivered.

Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute
American Society for Testing and Materials
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH01631383

Applicant: NANOS TECHNOLOGIES CO LTD
BLK H 8/F GOLDEN BEAR INDL CTR
66-82 CHAI WAN KOK ST
TSUEN WAN NT
HK

Date: May 02, 2014

Attn: JOHNNY/ JOVI

Submitted sample said to be : **Woven Fabric after EcoNano Anti-Microbial Treatment and 5 High Temp Wash**
Quantity : One piece

Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

Requirement	Result
(1) Antibacterial activity (AATCC-100)	See details enclosed

For and on behalf of :
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung
Vice President



Intertek Testing Services Hong Kong Ltd.

2/F., Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong.
Tel: (852) 2173 8888 Fax: (852) 2786 1903 website: www.intertek.com



Valued Quality. Delivered.

Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute
American Society for Testing and Materials
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH01631383

Tests Conducted

(1) Antibacterial Activity Test (Quantitative)

Test Method : *American Association of Textile Chemists and Colorists (AATCC) Technical Manual, Test Method 100-2012.*

Ultraviolet sterilization of sample before test.

Neutralizing solution: Lethen Broth

Contact time: 24 hours

Incubation temperature: 37°C

Incubation period: 48 hours

Agar medium: Nutrient agar

Test culture: *Staphylococcus aureus* (ATCC 6538)

Klebsiella pneumoniae (ATCC 4352)

No. of test specimen: 4 pieces / circular / @ 4.8 cm in diameter with 1 mL inoculum per trial

Result:

Test Microorganism	Percent Reduction of Bacteria (%)
<i>Staphylococcus aureus</i>	99.0
<i>Klebsiella pneumoniae</i>	98.8

Reference Rating*:

% Reduction

Anti-bacterial activity

0%

Not acceptable

<50%

Insignificant

≥50%

Acceptable

>95%

Acceptable & significant

Sample received condition: sample in closed plastic bag.

Date sample received : Apr 14, 2014

Testing period : Apr 14, 2014 to Apr 29, 2014

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.



Intertek Testing Services Hong Kong Ltd.

2/F., Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong.
Tel: (852) 2173 8888 Fax: (852) 2786 1903 website: www.intertek.com