

Test Report

Number: HKGH0131116801

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

Date: Apr 30, 2012

Attn: JOHNNY / JOVI

Sample Description:

One (1) submitted sample said to be **Woven Fabric after EcoNano Anti-Microbial Treatment and 20 Wash**

Fiber Content

: 100% polyester

Fabric / Garment Weight

: 165cm width, 95 gsm

Quantity

: 1 piece

Sample Received Condition

: Sample in closed plastic bag

Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Comment* :

Tested Sample	Antibacterial activity (AATCC-100)	Result
Submitted sample	Against <i>Staphylococcus aureus</i>	Acceptable & Significant
	Against <i>Klebsiella pneumoniae</i>	Acceptable & Significant

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



Karen S.C. Ng
General Manager



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Tests Conducted

1 Antibacterial Activity Test (Quantitative)

With reference to *American Association of Textile Chemists and Colorists (AATCC) Technical Manual*,
Test Method 100-2004.

Ultraviolet sterilization of sample before test.

Neutralizing solution: Lethan 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: 5 piece/s / circular / @ 4.8 cm in diameter with 1 mL inoculum per trial

Result:

Test Microorganism	Percent Reduction of Bacteria (%) Sample (1)
<i>Staphylococcus aureus</i>	99.8
<i>Klebsiella pneumoniae</i>	96.9

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 17, 2012

Testing period : Apr 19, 2012 to Apr 27, 2012

End of report

