

Test Report**No: SHFDO041100052AN****Date: Jan 04 2005**

Client name: Ningbo Nanotechnologies, Ltd. Co.
Client address: No. 199, Lingyun Road, Ningbo, China

The following sample(s) was/were submitted by/ on behalf of the client as:

SAMPLE DESCRIPTION: Techreal NS-LC
Number: 400 ml*5
Job No. : SHFDO041200052AN
Date of receipt: Nov 10 2004
Testing period: Nov 10 2004-Jan 04 2004

TEST (S) REQUESTED:

Antimicrobial Preservatives - Effectiveness (Candida albicans, Aspergillus niger, E. coli, Pseudomonas aeruginosa and Staphylococcus aureus) of the submitted samples.

TEST METHOD:

Antimicrobial effectiveness testing was conducted with reference to the United States Pharmacopoeia, The National Formulary, USP27, 2004, General Chapter 51.

TEST RESULT (S):

Please refer to next page

CONCLUSION:

When tested as specified, the submitted samples said to be Techreal NS-LC fulfill the stated (Candida albicans, Aspergillus niger, E. coli, Pseudomonas aeruginosa and Staphylococcus aureus) requirements of Antimicrobial Preservatives - Effectiveness, General Chapter 51, the United States Pharmacopoeia, The National Formulary, USP27, 2004.

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Signed for and on behalf of SGS



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Tested Organism

- Candida albicans (ATCC No. 10231)
- Aspergillus niger (ATCC No. 16404)
- Escherichia coli (ATCC No. 8739)
- Pseudomonas aeruginosa (ATCC No. 9027)
- Staphylococcus aureus (ATCC No. 6538)

Test Results

Antimicrobial Preservatives - Effectiveness

Recovered Inoculum cfu/ml (Log value of reduction/%)

Organisms/ Log Inoculum (cfu/ml)	7 days (cfu/ml)	14 days (cfu/ml)	21 days (cfu/ml)	28 days (cfu/ml)
Candida albicans (6.1)	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%
Aspergillus niger (5.8)	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%
Escherichia coli (6.0)	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%
Pseudomonas aeruginosa (6.0)	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%
Staphylococcus aureus (6.9)	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%	<=1/ >=99.99%

Note : cfu = colony forming unit
 < = Less than
 > = More than

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 *** End of Report***