



4 Caxton Place ,Stevenage
Hertfordshire SG1 2UF, United Kingdom
Tel: +44 (0)1438 360 747 Fax: +44 (0)1438 360 748
www.catomance.co.uk



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MICROBIOLOGICAL TEST REPORT

SERIAL NO. 3998/B

Client: Zotefoams plc
675 Mitcham Road
CROYDON
CR9 3AL

Client Specification:

Standard Employed: ASTM-G21-96 (Reapproved 2002)

Test Facility: Catomance Technologies Ltd
4 Caxton Place
Stevenage
Herts
SG1 2UF

Report Date: 24 July 2007

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MICROBIOLOGICAL TEST REPORT

To: Zotefoams plc
675 Mitcham Road
CROYDON
CR9 3AL

Serial no. 3998/B
Client Order no: 423021
Report date: 25 July 2007
Enquiries to: Marion Hayes
Issue date: 24 July 2007

For the attention of: Biniam Abraha

1. Objective

To assess the susceptibility of the test item(s) to mould growth when tested in accordance with ASTM-G21-96 (Reapproved 2002).

2. Test Samples

The following specimens were received from the Client on 14.06.07.

<u>Item</u>	<u>Number</u>
ZOTEK F42HT LS Foam 50x50x5mm	5
ZOTEK F42HT LS Foam half A4 sheet	1
Three of the five 50x50x5mm square specimens were tested.	

3. Test Organisms

Fungus	Fungus Sources Identification No.			
	NRRL	DSM Germany	ATCC USA	IMI Strain No.
<i>Aspergillus niger</i>	3536	63263	9642	091855
<i>Aureobasidium pullulans</i>	-	-	15233	045533
<i>Chaetomium globosum</i>	1870	1962	6205	045550
<i>Gliocladium virens</i>	2314	1963	9645	045553
<i>Penicillium funiculosum</i>	-	-	11797	211742

For Catomance Technologies Ltd

Marion K. Hayes

M K Hayes
Biologist



Ian Johnston
Quality Control Manager

4. Pre-test Cleaning

Customer requested that samples were not to be cleaned prior to testing..

5. Test Conditions

Temperature: 29 +/- 1°C
Relative humidity: Not less than 85%
Test duration: 28 days
Start date: 19/06/07
End date: 17/07/07

6. Deviations from Test Specification

None

7. Test Equipment

Test Chamber: J
Test Thermometer: A2 (mercury-in-glass, calibrated against certified thermometer P10691 BST93)

For Catomance Technologies Ltd

Maision K. Hayes

M K Hayes
Biologist



Ian Johnston
Quality Control Manager

8. Test Viability

Viability Controls: Three 25mm square pieces of sterilised filter paper were placed on the surface of nutrient salts agar in separate Petri dishes. They were inoculated with the spore suspension and incubated within the test chamber.

Result: After fourteen days, each piece of filter paper supported profuse mould growth, confirming that the test fungi were viable and that the conditions within the test chamber were suitable for mould growth.



Filter paper controls after 14 days incubation

9. Rating Scheme

The extent of mould growth was assessed and expressed according to the following scale.

Observed Growth on Specimens (Sporulating or non –sporulating, or both)	Rating
None	0
Traces of growth (less than 10%)	1
Light growth (10 to 30%)	2
Medium growth (30 to 60%)	3
Heavy growth (60% to complete coverage)	4

For Catomance Technologies Ltd

Maïson K. Hayes

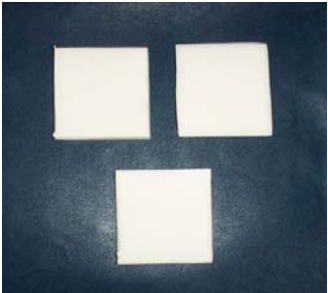

M K Hayes
Biologist



Ian Johnston
Quality Control Manager

10. Test Results

The test results reported below relate only to the items tested under Client Order No. 423021.

Test Item	Mould Rating
<p>ZOTEK F42 HT LS Foam</p> <p><i>Identifying photograph</i></p> 	<p>No observed mould growth. Rating = 0 This rating was confirmed by microscopic examination at a magnification of 50x.</p> <p><i>Photograph at end of test</i></p> 

For Catomance Technologies Ltd

Maïson K. Hayes

M K Hayes
Biologist



Ian Johnston
Quality Control Manager