

TEST REPORT

R. No.: 10463M

DATE OF REPORT : 29.06.11

Name of Customer : Lifeline Technologies
Address : Plot No. A – 387, Road No. 28,
Ramnagar, Wagle Estate,
Thane (W) – 400604
Contact Person : Ms. Rupali Hande
Date of Receipt of sample to lab : 22.04.11
Date of Starting Analysis : 12.05.11
Date of Completion : 12.06.11
Sample Description : **Foam Sheets**
Nature: Sheets
Qty.: 1 sheet x 1 each
Stamped/ Sealed: No
Packing: Paper Bag

- Inspections for Agri Produce Containers
- Nutritional labeling
- Microbial profile
- Chemical analysis
- Shelf-life
- Vitamins & Minerals
- Residual Pesticides & Heavy metals
- Problem solving on-site
- Consultancy
- 3rd Party Audits

Introduction:-

We are submitted sample of Foam sheets & asked to analyze the sample as per ASTM G 21 for antimicrobial property using mould *Aspergillus niger*.

Sample Reference:-

10463/1 :- Antimicrobial/antifungal (O) Foam Sheet 1% (LLT/190411-02)
10463/2 :- Control Foam Sheet (LLT/190411-03)

Test Method :

ASTM G21 1996 Reapproved 2002:

Test Organism :

Aspergillus niger ATCC 6275

MicroChem Laboratory Pvt Ltd

'MicroChem House'
A-513, TTC
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Navi Mumbai
Pin - 400701

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Ratings as per ASTM G21 :-

- Depending upon the growth observed on the sample they are rated as below:-

Observed growth on Specimen	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

Observation:

Samples	Week (1)	Week (2)	Week (3)	Week (4)
10463/1	0	0	0	0
10463/2	0	0	0	0
* Control plate	4	4	4	4

* Note for control: Luxuriant growth of the fungus on control plate proves viability.

Conclusion :

The control foam sheet and test foam sheet samples were tested for anti-fungal activity.

As informed by the client, the control sample was coated with antifungal additive of competition and the test foam sheet sample was coated with antifungal additive of Lifeline Technologies. No growth was found on both the samples as per test conducted.

The test sample shows good antifungal activity.

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Authorized Signatory
Dr. Deepa Bhajekar
Managing Director

- NOTE: 1. Tested sample(s) drawn by the laboratory.
2. Test results relate to the submitted sample(s) only.
3. Test report shall not be reproduced except in full, without written approval of the laboratory.
4. The tests marked with (*) are not accredited by NABL.

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