

TEST REPORT

R. No. : 14959M

DATE OF REPORT: 04.11.10

Name of Customer : Lifeline Technologies
Address : Plot No. 387, Road No. 28,
Ramnagar, Wagle Estate,
Thane (W), 400 604
Contact Person : Ms. Jayshree Jadhav
Date of Receipt of sample to lab : 12.10.10
Date of Starting Analysis : 15.10.10
Date of Completion : 02.11.10
Sample Description : **Plastic Sample**
B. No. & Code : Ref.: Anti – Microbial / Anti Fungal
(O) – LDPE
% addition of Master Batch in
samples: 2%

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

Introduction:

We were submitted plastic sample with reference Anti – Microbial / Anti – Fungal (O) – LDPE & asked to check its antimicrobial activity as per SN 195 920

Test Organisms: *Staphylococcus aureus* ATCC 6538
Escherichia coli ATCC 11229

Test Method:

24 hrs actively growing cultures were prepared. Cut pieces of the submitted sample were placed on nutrient agar plates inoculated with the above cultures & incubated for 24 hrs at 37^o C. The plates were observed for presence or absence of growth of bacteria in the contact zone of nutrient medium under the test sample or for zone of inhibition around the test sample.

MicroChem Laboratory Pvt Ltd

'MicroChem House'
A-513, TTC
Industrial Area,

M.I.D.C., Mahape,
Navi Mumbai
Pin - 400701

Tel / Fax :
022 - 27787800
(Hunting Lines)

email
customer@microchem.co.in

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Observation:

No growth of *S. aureus* & *E. coli* was observed in the contact zone of nutrient medium under the test sample.

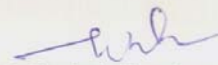
No zone of inhibition was observed around the test sample.

Conclusion:

The tested sample shows antibacterial activity against *E. coli* & *S. aureus*, when tested as per SN 195 920.

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Authorized Signatory

- NOTE: 1. Tested sample(s) not 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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