

TEST REPORT

To : OPC RESOURCES SDN. BHD.
78, Tingkat Binjai 12,
Taman Sri Rambai,
14000 Bukit Mertajam,
Penang.

Attn: Mr. Eric Ooi

Report No. : MC1507-0456-3P

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Date of Issue : 07/08/2015

The following sample(s) was(were) identified by the customer as :

REMOS - INSECT REPELLENT SPRAY

Date of Sample Received : 27/07/2015

Date of Testing : 27/07/2015 to 07/08/2015



Sample Photograph

Objective:

The test is carried out in challenging sample of "Remos-Insect Repellent Spray" with a prescribed initial inoculum of microorganism and the surviving number of microorganism are determined at zero(immediately), one(1) and two(2) minutes contact time intervals.

Test Result:

Refer page 2 for details.

Conclusion:

The challenge test on the sample of "Homecare Anti Mosquito Spray" shows a log reduction >5 at the end of two(2) minutes on *Escherichia coli*, *Salmonella typhimurium*, *Staphylococcus aureus* and *Pseudomonas aeruginosa*. Log reduction of 3.00 obtained on *Candida albicans* at the end of 2 minutes.

Signed for and on behalf of
NM LABORATORY SDN. BHD.

Vijayenthya Nadarajan
Microbiologist
B. App. Sc. (Hons)

Customer : OPC RESOURCES SDN BHD
Date Of Issue : 07/08/2015

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Test Result(s):

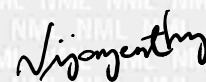
Test Organism	Initial Inoculum (CFU/ml)	Log ₁₀ CFU/ml
<i>Escherichia coli</i> (ATCC No. 8739)	6.7 x 10 ⁶	6.83
<i>Salmonella typhimurium</i> (ATCC No. 14028)	5.1 x 10 ⁶	6.70
<i>Staphylococcus aureus</i> (ATCC No. 6538)	4.6 x 10 ⁶	6.66
<i>Pseudomonas aeruginosa</i> (ATCC No. 9027)	4.0 x 10 ⁶	6.60
<i>Candida albicans</i> (ATCC No. 10231)	6.6 x 10 ⁵	5.82

Test Organism	CFU/ml			Log Reduction		
	Contact Time			Contact Time		
	0 time (immediately)	1 minute	2 minutes	0 time (immediately)	1 minute	2 minutes
<i>Escherichia coli</i> (ATCC No. 8739)	480	ND(<10)	ND(<10)	4.00	>5	>5
<i>Salmonella typhimurium</i> (ATCC No. 14028)	270	50	ND(<10)	4.00	5.00	>5
<i>Staphylococcus aureus</i> (ATCC No. 6538)	240	20	ND(<10)	4.00	5.00	>5
<i>Pseudomonas aeruginosa</i> (ATCC No. 9027)	600	90	ND(<10)	4.00	5.00	>5
<i>Candida albicans</i> (ATCC No. 10231)	990	900	820	3.00	3.00	3.00

Methodology(s): US Pharmacopoeia, USP 34 NF 29

Remark(s) : Sampled and submitted by OPC RESOURCES SDN. BHD.

Signed for and on behalf of
 NM LABORATORY SDN. BHD.



Vijayenthya Nadarajan
 Microbiologist
 B. App. Sc. (Hons)

- End of Report -

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1. The sample(s) submitted by the customer shall be tested / analysed according to any published standard method or non-published method as discussed and agreed upon by the customer and NML. In the absence of any written instruction, the customer is deemed to have agreed and accepted the standard method or technique used by NML in the testing / analysis of sample(s). However, NML shall state in the report / certificate the standard method or technique used, where appropriate.
2. This report / certificate is not a certificate of quality. The result(s) of testing / analysis performed by NML is applicable to the particular sample(s) received at the time of testing / analysis. They do not indicate or imply that NML approves, recommends or endorses the manufacturers or suppliers or users of products and it shall not be used to imply product certification.
3. The overleaf test / analysis result(s) is / are based solely on the sample(s) submitted by the customers. NML assumes no responsibility for the accuracy of information on the name, type, class, brand or model number of products or any information supplied by the customers.
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8. Presentation of test / analysis result(s) for detection limit and unit of measurement shall be agreed by NML and customers, normally decided by NML for technical reasons and good practice in analytical measurement.
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