



Textile Laboratory

Amendment

Test Report

No: TX61093A /2021/AB

Date: July 06, 2021

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Evodrop AG

Hardgutstrasse 16, Zurich 8048 Switzerland

The following sample was submitted and identified by applicant as:

Sample Description : One sample of ACT RO membrane
Color : Silver
Material : Polyamide
Style No. : ACTRM-200
Applicant : Evodrop AG
Sample Receiving Date : June 15, 2021
Test Performance Period : June 15, 2021 to July 01, 2021
Test Performed : Selected test(s) as requested by applicant.
Test Results : For further details, please refer to the following page(s).

Amendment

Remark: Test results have been taken from report number No: TX61093/2021/AB, Date: July 06, 2021

Revision reason: Revised material of submitted sample and added photo of submitted sample, as per applicant's request.

Signed for and on behalf of SGS

Cherry Kuo

.....
SGS Authorized Signature

SGS-CSTC Standards Technical Services Co.

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Test Results:

Determining the Antimicrobial Activity of Immobilized Antimicrobial Agents under Dynamic Contact Conditions (ASTM E2149 - 13)

Bacteria: Staphylococcus aureus ATCC 6538

Test Organism: Test Group	(CFU/ml)	<u>REDUCTION</u> (R%)
Inoculum at 0 Hr	1.9 × 10 ⁵	>99.9
Inoculum at 16 Hr (B)	2.7 × 10 ⁵	
Untreated test after 16 Hr (C)	--	
Treated test after 16 Hr (A)	<30	

Bacteria: Klebsiella pneumoniae ATCC 4352

Test Organism: Test Group	(CFU/ml)	<u>REDUCTION</u> (R%)
Inoculum at 0 Hr	1.5 × 10 ⁵	>99.9
Inoculum at 16 Hr (B)	8.4 × 10 ⁶	
Untreated test after 16 Hr (C)	--	
Treated test after 16 Hr (A)	<30	

Bacteria: Pseudomonas aeruginosa ATCC 9027

Test Organism: Test Group	(CFU/ml)	<u>REDUCTION</u> (R%)
Inoculum at 0 Hr	1.8 × 10 ⁵	>99.9
Inoculum at 16 Hr (B)	7.7 × 10 ⁶	
Untreated test after 16 Hr (C)	--	
Treated test after 16 Hr (A)	<30	

A:CFU/mL for the flask containing the treated substrate after the specified contact time

B:CFU/mL for the "inoculum only" flask after the specified contact time

C:CFU/mL for the flask containing the untreated substrate after the specified contact time

$$R\% = ((B-A) / B) \times 100 \%$$

Remark: Blank sample C was not available from the client.

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Test Results:

Determining the Antimicrobial Activity of Immobilized Antimicrobial Agents under Dynamic Contact Conditions (ASTM E2149 - 13)

Bacteria: Candida albicans ATCC 10231

Test Organism: Test Group	(CFU/ml)	<u>REDUCTION</u> (R%)
Inoculum at 0 Hr	2.2 × 10 ⁵	>99.9
Inoculum at 16 Hr (B)	5.8 × 10 ⁵	
Untreated test after 16 Hr (C)	--	
Treated test after 16 Hr (A)	<30	

Bacteria: Escherichia coli ATCC 25922

Test Organism: Test Group	(CFU/ml)	<u>REDUCTION</u> (R%)
Inoculum at 0 Hr	2.3 × 10 ⁵	>99.9
Inoculum at 16 Hr (B)	4.1 × 10 ⁶	
Untreated test after 16 Hr (C)	--	
Treated test after 16 Hr (A)	<30	

A:CFU/mL for the flask containing the treated substrate after the specified contact time

B:CFU/mL for the "inoculum only" flask after the specified contact time

C:CFU/mL for the flask containing the untreated substrate after the specified contact time

$$R\% = ((B-A) / B) \times 100 \%$$

Remark: Blank sample C was not available from the client.

Above test items were tested by relevant SGS laboratory.

Sample Photo



*** End of Report ***

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