

Quality Test Report

ORIGINAL

Test Report No. 26025001794-1 (Page 1 of 2)

Applicant: RADICAL MATERIALS LTD

January 23, 2026

Test results to submitted sample are as follows.

Reception Date : January 15, 2026

Item Name : RMA10064 MEREFSASILNOBAC

Number of Item : 1

BOKEN QUALITY EVALUATION INSTITUTE

BOKEN

Osaka Functional Textile
Testing Center

1-6-24 Chikko, Minato-ku, Osaka-shi,
Osaka 552-0021, Japan

TEL.+81-6-6577-0157/FAX.+81-6-6577-0160

Test Item : The test of the antibacterial efficacy

Test Method : It conformed to ISO 22196 : 2011

Test Bacteria : *Staphylococcus aureus* NBRC 12732

Test Result :

Untreated specimens		Common logarithm of the number of viable bacteria
Untreated specimens	Immediately after inoculation $[U_o]$	4.03
	After 24h $[U_t]$	4.01

* Untreated specimens : Polyethylene film

Test sample	Common logarithm of the number of viable bacteria after 24h $[A_t]$	Value of antibacterial activity $[U_t - A_t]$
RMA10064 MEREFSASILNOBAC	1.66	2.3

* The volume of test inoculum used : 0.4 ml The size of the cover film : 16 cm²

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Osaka Functional Textile Testing Center

Supervised by A. Hashimoto

Notice - This test result is applied to the submitted sample, not to the lot.
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Reception Date : January 15, 2026

Item Name : RMA10064 MEREFSA SILNOBAC

Number of Item : 1

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Test Item : The test of the antibacterial efficacy

Test Method : It conformed to ISO 22196 : 2011

Test Bacteria : *Escherichia coli* NBRC 3972

Test Result :

Untreated specimens		Common logarithm of the number of viable bacteria
Untreated specimens	Immediately after inoculation $[U_o]$	4.08
	After 24h $[U_t]$	5.89

* Untreated specimens : Polyethylene film

Test sample	Common logarithm of the number of viable bacteria after 24h $[A_t]$	Value of antibacterial activity $[U_t - A_t]$
RMA10064 MEREFSA SILNOBAC	1.96	3.9

* The volume of test inoculum used : 0.4 ml The size of the cover film : 16 cm²

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