

## Certificate of Analysis

Customer Name:	RESIMAC LTD	Date Received:	13.12.2022
Customer Contact:	Wayne Jobling	Date Analysed:	10.01.2023
Customer Email/Phone:	waynej@resimac.co.uk	Date Reported:	13.01.2023
Certificate Number:	BL001/2023		

 Tick box if customer has provided untreated control samples for inclusion in testing 

### Test Method: Determination of Antibacterial Activity using Test Based on MOD ISO 22196: 2011

BioLabTests Sample Reference Number	Sample	Test Bacteria	Contact Time*		Reduction against Uncoated Control	
			0 Hrs	24 Hrs	Log <sub>10</sub>	%
230/001	RESICHEM 520 UV	MRSA	6.22 x 10 <sup>4</sup>	1.12 x 10 <sup>4</sup>	1.85	98.59%
		<i>E. coli</i>	9.98 x 10 <sup>4</sup>	2.27 x 10 <sup>4</sup>	1.76	98.28%
230/002	UNCOATED ALUMINIUM CONTROL	MRSA	6.22 x 10 <sup>4</sup>	7.92 x 10 <sup>5</sup>	N/A	N/A
		<i>E. coli</i>	9.98 x 10 <sup>4</sup>	1.32 x 10 <sup>6</sup>	N/A	N/A

\*Numbers represent Colony Forming Units at representative contact times.

Data show the changes in size of the initial MRSA (ATCC® 43300™) and *E. coli* (ATCC® 8739™) populations due to their contact with the treated surface of the samples. The samples detailed in this CoA were tested for 24 hours (±1) at 35°C (±2) under a relative humidity of >90% as specified in the ISO 22196 method. The results detailed in this CoA relate only to the items tested. This certificate shall not be reproduced except in full, without written approval of BioLabTests.

Please note; samples were received in a ready to test state from the customer apart from sterilisation which is noted below. All testing is performed on site at the BioLabTests address above unless otherwise disclosed.



<b>Noted during testing</b>	
	<b>Note</b>
No. of samples supplied per test:	230/001: 6 of 6 supplied 230/002: 5 of 6 supplied
Sample size:	Average size: 50 x 50mm
Sample sterilisation method:	65° DRY HEAT FOR ONE HOUR
Film size:	Average size: 40 x 40mm
Inoculation volume:	Volume: 0.1ml
Initial bacterial concentration:	MRSA: $6.22 \times 10^5$ CFU/ml <i>E. coli</i> : $9.98 \times 10^5$ CFU/ml

The material of the cover slips is polyethylene with a thickness of 0.045mm.

Please note – For all information regarding deviations from ISO 22196:2011, please request statement B-Lab-State-007



Parmjit S Bilan BSc (Hons), CChem MRes  
Technical Manager,  
BioLabTests Ltd

END OF REPORT

