

CERTIFICATE OF ANTIBACTERIAL ANALYSIS

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UNITS OF RESULTS	Colony Forming Units	NO. OF PAGES	1 of 1

METHOD OF ANALYSIS: Determination of Antibacterial Activity using ISO 22196: 2011

SAMPLE	TEST ORGANISM	CONTACT TIME		REDUCTION (INITIAL)	
		0 HRS	24 HRS	Log ₁₀	%
LDPE CONTROL	MRSA	8.58E+04	2.41E+05	GROWTH	GROWTH
LDPE CONTROL	<i>E. coli</i>	7.83E+04	9.92E+05	GROWTH	GROWTH
LDPE B85003 AT 0.5%	MRSA	3.61E+04	≤100	≥2.56	≥99.72%
LDPE B85003 AT 0.5%	<i>E. coli</i>	4.48E+04	1.67E+02	2.43	99.63%
LDPE B85003 AT 1%	MRSA	8.58E+04	≤100	≥2.93	≥99.88%
LDPE B85003 AT 1%	<i>E. coli</i>	7.83E+04	≤100	≥2.89	≥99.87%
LDPE B85003 AT 1.5%	MRSA	8.58E+04	≤100	≥2.93	≥99.88%
LDPE B85003 AT 1.5%	<i>E. coli</i>	7.83E+04	≤100	≥2.89	≥99.87%

The above data describe the difference in the population sizes of the test organisms, relative to the initial (0 hours) population, following contact with the surface of the samples detailed in this CoA for 24 hours at 35°C under a RH of >90%. These conditions are those specified by the ISO 22196: 2011 method of analysis.

Comment: The samples LDPE B85003 AT 0.5%, LDPE B85003 AT 1% and LDPE B85003 AT 1.5% have achieved the BioCote minimum antibacterial performance requirement of 95% "Reduction against the initial for *E. coli* and MRSA" according to ISO 22196: 2011 analysis.

FOR BIOCOTE LTD



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