

CERTIFICATE OF ANTIBACTERIAL ANALYSIS

CERTIFICATE NO.	BC092/2019	DATE RECEIVED	12.08.2019
CUSTOMER	TECH21	DATE ANALYSED	13.08.2019, 20.08.2019
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UNITS OF RESULTS	Colony Forming Units/CM ²	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	%
CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 0.75%	MRSA	7.39E+04	1.90E+03	1.59	97.43%
CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 0.75%	<i>E. coli</i>	8.47E+04	≤100	≥2.93	≥99.88%
CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 1.5%	MRSA	2.93E+04	8.00E+02	1.56	97.27%
CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 1.5%	<i>E. coli</i>	7.20E+04	9.00E+02	1.90	98.75%
CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 2.5%	MRSA	7.39E+04	≤100	≥2.87	≥99.86%
CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 2.5%	<i>E. coli</i>	8.47E+04	≤100	≥2.93	≥99.88%

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 >95%. These conditions are those specified by the ISO 22196: 2011 method of analysis.

Comment: The samples CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 0.75%, CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 1.5% and CLEAR COATED PHONE CASE. PU BASED PAINT WITH B85003 AT 2.5% 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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