



Certificate of Antibacterial Analysis

CERTIFICATE NO.	BC054/2016	DATE RECEIVED	20.05.16
CUSTOMER	IBB	DATE ANALYSED	01.06.16
CUSTOMER REF.	100/227-232	DATE REPORTED	06.06.16
MANUFACTURER	IBB / KOEMO		
UNITS OF RESULTS	Colony Forming Units/CM ²	NO. OF PAGES	1 of 2

Method of Analysis: Determination of Antibacterial Activity using ISO 22196: 2011

Sample	Test Organism	Contact Time		Reduction (Initial)	
		0 hrs	24 hrs	Log ₁₀	%
TREATED ABS + B65633 @ 1.5%	MRSA	1.60E+05	≤11.11	≥4.16	≥99.99%
TREATED ABS + B65633 @ 1.5%	E.coli	6.97E+04	≤11.11	≥3.80	≥99.98%
CONTROL ABS	MRSA	1.60E+05	5.60E+04	0.46	65.04%
CONTROL ABS	E.coli	1.40E+06	9.15E+06	-0.82	GROWTH
TREATED PP + B65813 @ 1.5%	MRSA	1.60E+05	≤11.11	≥4.16	≥99.99%
TREATED PP + B65813 @ 1.5%	E.coli	6.97E+04	≤11.11	≥3.80	≥99.98%
CONTROL PP	MRSA	1.60E+05	3.20E+04	1.70	80.02%
CONTROL PP	E.coli	6.97E+04	3.60E+05	-0.71	GROWTH
TREATED PMMA+ B45003 @ 0.3%	MRSA	1.60E+05	4.67E+02	2.54	99.71%
TREATED PMMA+ B45003 @ 0.3%	E.coli	6.97E+04	6.67E+01	3.02	99.90%
CONTROL PMMA	MRSA	1.60E+05	1.38E+04	1.06	91.36%
CONTROL PMMA	E.coli	1.40E+06	3.11E+06	-0.35	GROWTH

FOR BIOCOTE LTD

Technical Director
Dr. Richard Hastings

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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 TREATED ABS + B65633 @ 1.5%, TREATED PP + B65813 @ 1.5% and TREATED PMMA+ B45003 @ 0.3% 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.

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Procedure 302 Appendix C | Issue 4 – 12/07/2013 | M. Galino

