

# CERTIFICATE OF ANTIBACTERIAL ANALYSIS

<b>CERTIFICATE NO.</b>	BC093/2020	<b>DATE RECEIVED</b>	29.06.2020
<b>CUSTOMER</b>	AKZONOBEL	<b>DATE ANALYSED</b>	11.08.2020
<b>CUSTOMER REF.</b>	200/528	<b>DATE REPORTED</b>	14.08.2020
<b>MANUFACTURER</b>	UK		
<b>SAMPLE COMMENT</b>	LWR POW_332029/1		
<b>UNITS OF RESULTS</b>	Colony Forming Units	<b>NO. OF PAGES</b>	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 <sub>10</sub>	%
LWR POW_332029/1. MZ102E. CURED POLYESTER POWDER COATING	MRSA	5.75E+04	≤100	≥2.76	≥99.83%
LWR POW_332029/1. MZ102E. CURED POLYESTER POWDER COATING	<i>E. coli</i>	7.93E+04	3.33E+02	2.38	99.58%

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 sample LWR POW\_332029/1. MZ102E. CURED POLYESTER POWDER COATING has 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



Technical Manager

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