

## Certificate of Antibacterial Analysis

<b>CERTIFICATE NO.</b>	BC067/2015	<b>DATE RECEIVED</b>	09.10.2015
<b>CUSTOMER</b>	TOUCHGUARD	<b>DATE ANALYSED</b>	19.10.2015
<b>CUSTOMER REF.</b>	90/456	<b>DATE REPORTED</b>	23.10.2015
<b>MANUFACTURER</b>	TOUCHGUARD		
<b>SAMPLE DETAILS</b>	Antibacterial coating		
<b>UNITS OF RESULTS</b>	Colony Forming Units/cm <sup>2</sup>	<b>NO. OF PAGES</b>	1 of 1

**Method of Analysis:** Determination of Antibacterial Activity using ISO 22196: 2011 (mod.)

Sample	Test Organism	Contact Time		Reduction (Initial)		Reduction (Control)	
		0 hrs	24 hrs	Log <sub>10</sub>	%	Log <sub>10</sub>	%
Touchguard antibacterial film coating	<i>Campylobacter jejuni</i> ATCC 29428	5.50E+06	1.25E +02	4.64	>99.99%	4.46	>99.99%
Untreated film control	<i>Campylobacter jejuni</i> ATCC 29428	5.50E+06	3.60E +06	0.18	34.55%	NA	NA

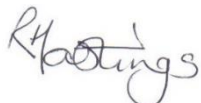
The above data describe:

- 1) Reduction against the Initial - The difference in the population sizes of the test organism relative to the initial (0 hours) populations, following contact with the surface of the samples detailed in this CoA for 24 hours at 40°C under a RH of >95%.
- 2) Reduction against the Control – A comparison of the Reduction against Initial determined for the control material and the corresponding result determined for antibacterial material.

These conditions are modified from those specified by the ISO 22196: 2011 method of analysis.

**Comment:** The sample Touchguard antibacterial film coating has achieved the BioCote minimum antibacterial performance requirement of 95% 'Reduction against Initial' and 'Reduction against Control' for *C. jejuni* according to ISO 22196: 2011 analysis.

FOR BIOCOTE LTD



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## PROVEN ANTIMICROBIAL PROTECTION