

### CERTIFICATE OF ANALYSIS

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**CUSTOMER**  
HAWK RESEARCH LABORATORIES LLC

**CERTIFICATE NO.** 1033881.37/11657  
**CUSTOMER REF.** 7354

**SAMPLE DETAILS**  
HAWK RESEARCH LABORATORIES LLC

**DATE RECEIVED** 16/10/2017  
**ORDER NO.**

**METHOD:** Determination of Antibacterial Activity using Test Based on MOD ISO 22196

**DATE ANALYSED** 18/10/2017

**DATE REPORTED** 20/10/2017

**RESULTS (AS CFU CM<sup>-2</sup>)**

SAMPLE	SPECIES	CONTACT TIME		REDUCTION (CONTROL)	
		0 hrs	24 hrs	Log 10	%
8000 SERIES (CONTROL)	<i>E coli</i>	1.5E+04	9.1E+03		
8000 SERIES (TREATED SAMPLE)	<i>E coli</i>	1.5E+04	< 11.11	≥ 2.92	≥ 99.88%
8000 SERIES (CONTROL)	<i>Staph aureus</i>	2.1E+04	5.8E+03		
8000 SERIES (TREATED SAMPLE)	<i>Staph aureus</i>	2.1E+04	< 11.11	≥ 2.72	≥ 99.81%

Key: NS = Poor survival on control supplied.

The above data show the difference in the population following contact with the surface of the samples listed for 24 hours at 35°C under a RH of > 95% relative to the control sample.

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