

Certificate of Analysis

Dated: 11/08/2014

CLIENT: SDI International
33-37 Villas Road
Dandenong South. VIC. 3175

OUR REF: 1414364

ATTN: Robert White

ORDER NO: N/A

SAMPLE DESCRIPTION:
1 x 750mL Disinfectant Spray
(2011247875)

DATE RECEIVED: 25/07/14

DATE COMMENCED: 05/08/14

EXAMINATION: JIS Z 2801: 2000E

METHOD:

Surface templates (laminates 50 x 50 mm) were sterilised by autoclaving. Sterile templates were then sprayed with the sample under test, sprayed sample were then spread using sterile swab sticks and allowed to dry for 24hours. Control- Untreated and Treated surfaces were inoculated with the 0.4mL of challenge organism, approximately (2.5×10^5 cells / mL); inoculated surfaces were the covered with sterile film (40x 40mm). Test was done in triplicate.

Initial inoculum counts were performed on the untreated surfaces by serial dilution and plating out. Immediate effect on the treated surfaces was also performed by assaying the surviving challenge organisms through serial dilution and plating out.

CONDITIONS:

Challenge organism: *Methicillin Resistant Staphylococcus aureus* ATCC 33591

Temperature: $20 \pm 0.5^\circ\text{C}$

Neutraliser: T6 10mL

Dilution: 1 spray / surface template

Soil: Clean

Time Point: Day 0 and 24hour

RESULTS:

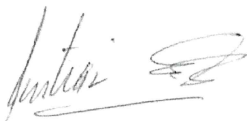
Table 1: Surviving MRSA on treated carriers after immediate effect and 24 hours contact time.

<i>Challenge organism:</i>		<i>Methicillin Resistant Staphylococcus aureus</i>				
Specimen:	Test condition	CFU / mL				Condition of a valid test
	Temp. / incubation period	Replicate 1	Replicate 2	Replicate 3	Mean	
Control	immediately after inoculation	3.4 x10 ⁵	3.2 x10 ⁵	5.2 x10 ⁵	3.9 x10 ⁵	≤ 0.2
Log value		5.53	5.51	5.72	5.59	= 0.04
Control	after 24hrs ± 1hr incubation @ 37°C	2.8 x10 ⁴	2.8 x10 ⁴	3.8 x10 ⁴		-
Log value		4.45	4.45	4.58	4.49	-
Treated	immediately after inoculation	1.6 x10 ⁴	1.2 x10 ⁴	7.5 x10 ³		Log reduction
Log value		4.21	4.08	3.89	4.06	1.53
Treated	after 24hrs ± 1hr incubation @ 37°C	< 20	< 20	< 20		Log reduction
Log value		1.30	1.30	1.30	1.30	3.19

FINAL RESULTS:

The sample "**Ridov Disinfectant**" shows residual bactericidal efficacy against *Methicillin Resistant staphylococcus aureus* by achieving 1.53 log reduction (approximately 99% kill) immediately after inoculation and 3.19 log reduction (99.9% kill) after 24 hours contact time on treated surfaces.

Signed:



Imtiaz Ahmed
Sterile Products Testing Manager