

Antimicrobial Test Laboratories

Fast, Reliable Antimicrobial Efficacy Testing

EcoActive Surfaces Study #NG1419 - JIS Z 2801:2000 (Custom "Gram Positive" Challenge)

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Client Information

Company Name:	<u>EcoActive Surfaces</u>	Sponsor(s):	<u>Stewart Avarett</u>
Sponsor's Phone:	<u>(954) 788-1880</u>	E-mail(s):	<u>ecoactivesurfaces@bellsouth.net</u>

Test Information

Test(s) Performed:	<u>JIS Z 2801:2000 (Single Replicate, with Additional Controls)</u>		
SOP Followed:	<u>ATL SOP 039</u>	Performed by:	<u>J. Williams</u>

Sample Information

Test Substance ID(s):	<u>OxiTitan VLR</u>	Batch/Lot #:	<u>N/A</u>
Sample (s) Received:	<u>3/4/2009</u>		

Parameters

Microorganism(s):	<u><i>Bacillus atrophaeus</i> ATCC# 9372</u>	Exposure Temp.	<u>Ambient (21-24C)</u>
Subculture Number:	<u>N/A</u>	Type of Carrier:	<u>2 x 2 x 1/8 Inch Glass Coupon</u>
Growth Medium:	<u>TSB</u>	# of Test Carriers:	<u>4 Total: 2 Control, 2 Treated</u>
Culture Age:	<u>24 Hours</u>	Target Inoculum:	<u>1.5 x 10⁵ cfu/coupon</u>
Diluent for Plating:	<u>D/E Broth (0.9 mL Blanks)</u>	Plating medium:	<u>Trypticase Soy Agar (Difco)</u>
Plate Incubation Time:	<u>24 Hours</u>	Plate Inc. Temp.:	<u>35.0 (+/- 1) C</u>

Controls

Neutralized:	<u>Passed, Agar Plates Positive (T=0)</u>	Growth Control:	<u>Passed, <i>B. atrophaeus</i> +</u>
Media Sterility:	<u>Passed, Control Plates Neg</u>		

Test Results

Test(s) Valid?:	<u>Yes, See Table, Page 2</u>	"Passed?"	<u>Determined by Sponsor</u>
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Notes: The study was conducted in accordance with JIS Z 2801:2000, but using 1 instead of 3 replicates.

Test and control samples were analyzed just after addition of the inoculum and also after 24 hours room temperature incubation under low "office" light conditions described below.

Lighting Conditions: Two 25 watt fluorescent light bulbs were positioned 6 feet above control and treated samples, and left on for the duration of the 24 hour contact period.

Tests Completed: 4/9/2009

Report Sent: 4/10/2009

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Data Table:

JIS Z 2801 Test Results; *Bacillus atrophaeus* 9372

Sample	CFU/Coupon, T = 0h	CFU/Coupon, T = 24h	% Reduction
Control (Light)	3.15E+04	7.25E+05	N/A
OxiTitan VLR (Light)	3.60E+04	1.90E+05	73.8%

Chart:

JIS Z 2801 - *Bacillus atrophaeus* 9372

