



BIOTECH TESTING SERVICES

Results:

ANTIBACTERIAL ACTIVITY

1. Test Bacteria: Staphylococcus aureus ATCC 6538

Quantitative Assessment of Activity - JIS Z 2801: 2010				
Control glass bottle: Conc. of Inoculum on untreated sample at 0 hours (A): 1.46×10^5				Log = 5.16
Control glass bottle : Conc. of Inoculum on untreated sample after 24 hour (B): 1.43×10^6				Log = 6.15
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
Treated glass bottle (GGL10 - 2.5%)	50	1.69	4.46	99.99
Treated glass bottle (GGL10 - 5%)	<10	<1	>5.15	>99.99

2. Test Bacteria: Escherichia coli ATCC 8739

Quantitative Assessment of Activity - JIS Z 2801: 2010				
Control glass bottle: Conc. of Inoculum on untreated sample at 0 hours (A): 1.73×10^5				Log = 5.23
Control glass bottle: Conc. of Inoculum on untreated sample after 24 hour (B): 2.76×10^6				Log = 6.44
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
Treated glass bottle (GGL10 - 2.5%)	100	2.00	4.44	99.99
Treated glass bottle (GGL10 - 5%)	<10	<1	>5.44	>99.99

The Standard Antimicrobial value of Evaluation $R \geq 2.0$

COMMENT:

When tested as specified, Glass bottle sample labeled Treated glass bottle (GGL10 - 2.5%); Treated glass bottle (GGL10 - 5%) **PASSES** the Quantitative Assessment of activity for Staphylococcus aureus and Escherichia coli by JIS Z 2801: 2010 Test Method.

For BIOTECH TESTING SERVICES




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• Samples are not drawn by the laboratory • Result relate only to the samples tested
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