

Sponsor: Full Force Enterprise INC (Ice E Oils) 111-45778 Gaetz St Chilliwack, BC V2R 4E5

Antimicrobial Susceptibility Test - Zone of Inhibition Final Report

Test Article: d Competitor A
Y Competitor B

Ice E Oil Protect-Blend

Purchase Order: Ice E Oils Study Number: 963367-S01 Study Received Date: 08 May 2018

Testing Facility: Nelson Laboratories, LLC, a Business Unit of Sterigenics International

6280 S. Redwood Rd.

Salt Lake City, UT 84123 U.S.A.

Test Procedure(s): Standard Test Protocol (STP) Number: 801-STP0124 Rev 02

Customer Specification Sheet (CSS) Number: 201702859 Rev 01

Summary: This report details the procedures used for screening products for antimicrobial activity. The challenge organisms for this study were *Staphylococcus aureus*, ATCC #6538, *Escherichia coli*, ATCC #8739, and *Salmonella enterica*, ATCC #13076. The test procedure was an adaptation of the disk diffusion (Kirby-Bauer) method for antibiotic susceptibility testing. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 210, 211 and 820.

Results:

Zone of Inhibition Measurement:

S. aureus:

Test Article	Diameter of the Zone Including Test Article (mm)			
	Replicate 1	Replicate 2	Replicate 3	
d Competitor A	37.94	38.43	43.43	
Competitor B	38.64	41.59	39.76	
Ice E Oil Protect-Blend	37.77	38.43	35.82	
Control	No Zone	No Zone	No Zone	

E. coli:

Test Article	Diameter of the Zone Including Test Article (mm)			
	Replicate 1	Replicate 2	Replicate 3	
G Competitor A	35.11	30.11	27.61	
Competitor B	26.95	34.08	33.03	
Ice E Oil Protect-Blend	28.07	29.43	22.19	
Control	No Zone	No Zone	No Zone	









S. enterica:

Test Article	Diameter of the Zone Including Test Article (mm)			
	Replicate 1	Replicate 2	Replicate 3	
Competitor A	40.80	31.89	40.28	
Competitor B	30.23	30.37	31.53	
Ice E Oil Protect-Blend	34.22	31.08	31.94	
Control	No Zone	No Zone	No Zone	