BioScreen Testing Services, Inc.

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MICROBIOLOGICAL REPORT

Simply Slick, LLC
Attn: John Goepfert
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Report Date: 02/06/12
Date Received: 12/28/11
Date Completed: 01/31/12
Project #: 739864
P.O.#: SS12711
Reference #: 7314-089; 7289-163

SAMPLE DESCRIPTION

ACCESSION #	SAMPLE:	LOT #:	BATCH #:	QTY:
739864	Simply Slick Lubricating Lotion	10/2011	Not Specified	240mL (7)

TEST PERFORMED:	BTS METHOD #	REFERENCE:
Validation Test for the Antimicrobial Preservative Effectiveness Test	M115.R10	United States Pharmacopeia **34**, <51>
Antimicrobial Effectiveness Test (Category 2)	M101.R11	United States Pharmacopeia **34**, <51>

PLATING MEDIA:
Microbial Content Test Agar (Bacteria)
Sabouraud Dextrose Agar (Yeast and Mold)

ANTIMICROBIAL PRESERVATIVE EFFECTIVENESS VALIDATION TEST

Test Microorganism		Diluent	Dilution	Inoculum CFU/plate	Microbial Recovery CFU/plate	Percent Recovery
Aspergillus brasiliensis	(mold)	DNB	1:10	23	11	48
Candida albicans	(yeast)	DNB	1:10	39	37	95
Escherichia coli	(bacteria)	DNB	1:10	40	42	105
Pseudomonas aeruginosa	(bacteria)	DNB	1:10	17	16	94
Staphylococcus aureus	(bacteria)	DNB	1:10	31	31	100

Re-tests:
The test was modified in an attempt to neutralize the antimicrobial properties in the sample to allow for growth of *Aspergillus brasiliensis*.

Test Microorganism	Diluent	Dilution	Inoculum CFU/plate	Microbial Recovery CFU/plate	Percent Recovery
Aspergillus brasiliensis	DNB	1:100	32	28	88
Aspergillus brasiliensis	DNB	1:1000	32	29	91

CFU = colony forming units
DNB = D/E Neutralizing Broth

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CONCLUSION:
The antimicrobial preservative properties present in the sample can be neutralized under the test conditions described below:

	DILUENT	DILUTION
Aspergillus brasiliensis	DNB	1:100
Candida albicans	DNB	1:10
Escherichia coli	DNB	1:10
Pseudomonas aeruginosa	DNB	1:10
Staphylococcus aureus	DNB	1:10

ANTIMICROBIAL PRESERVATIVE EFFECTIVENESS TEST

RESULTS:

TABLE SUMMARY

MICROORGANISM		INITIAL INOCULUM/gm	COLONY FORMING UNITS/gm 14 DAYS	28 DAYS
Aspergillus brasiliensis	(mold)	2.4E5	3.6E5	1.2E5
Candida albicans	(yeast)	1.6E5	50	<10
Escherichia coli	(bacteria)	1.1E6	370	<10
Pseudomonas aeruginosa	(bacteria)	7.3E5	<10	<10
Staphylococcus aureus	(bacteria)	9.3E5	10	<10

Note: Numbers in the report such as 2.3E5 are an alternate exponential format for 2.3×10^5.

LOG REDUCTION FROM INITIAL INOCULUM

	14 DAYS	28 DAYS
Aspergillus brasiliensis	-0.2	0.3
Candida albicans	3.5	4.2
Escherichia coli	3.5	5.0
Pseudomonas aeruginosa	4.9	4.9
Staphylococcus aureus	5.0	5.0

CONCLUSION:
The above test results meet the current USP Category 2 Criteria of Acceptance for the Antimicrobial Preservative Effectiveness Test.

Stephanie Hornby

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