



Certificate of Analysis

Number: 18-D-20.2
To: ProLab Health & Beauty Ltd
1339 Franklin St.
Vancouver, BC
V5L 1P2

Date of Report: January 10, 2019

Sample Submitted: December 3, 2018

Sample: BTE – Pure Hand Sanitizer Gel
Requisition #: **RD 18-038**, ID#: LR1811281

Results of Initial Analysis: SPC - <100 cfu/g, Yeast - <20 cfu/g, Mold - <20 cfu/g

Results of Challenge Test Analysis:

Test Micro-organisms	Initial Inoculums (cfu/g)	7 Days Count (cfu/g)	14 Days		21 Days Count (cfu/g)	28 Days		Pass/Fail ¹
			Count (cfu/g)	Log Change (compared to initial)		Count (cfu/g)	Log Change (compared to 14-day)	
<i>Staphylococcus aureus</i> (cfu/g)	3.1×10 ⁵	<100	<100	-3.6	<100	<100	0.0	Pass
<i>E. coli</i> (cfu/g)	4.3×10 ⁵	<100	<100	-3.5	<100	<100	0.0	Pass
<i>Pseudomonas aeruginosa</i> (cfu/g)	3.8×10 ⁵	<100	<100	-3.3	<100	<100	0.0	Pass
<i>Candida albicans</i> (cfu/g)	2.1×10 ⁵	<100	<100	-3.6	<100	<100	0.0	Pass
<i>Aspergillus brasiliensis</i> (cfu/g)	3.3×10 ⁵	<100	<100	-3.5	<100	<100	0.0	Pass

Methodology

Challenge Testing – USP-NF <51>

¹ Pass/Fail Criteria based on USP <51>, Table 3, Category 2 Products:

Bacteria – NLT 2.0 log reduction from initial count at 14 days, no increase* from 14-day count at 28 days

Yeast and Molds – No increase from initial count at 14 and 28 days.

*No increase refers to a change of not more than 0.5 log₁₀ increase

Anna Piesik, Lab Manager

Above results relate only to the items tested

End of Report

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