



Microbiology Department. Centre for Plant Medicine Research  
Microbial Analysis Report on Herbal Product

Product Code	Product Form	Date Received	Date Analysed
Sps/001/21	Soap (Solid)	9th , March 2021	9th , March 2021

**(A) Microbial Load Analysis**

Test Conducted	Result (CFU/g)	Accepted Criterion BP ( 2021 )	Compliance
<sup>1</sup> TAMC/37 <sup>0</sup> C/24hrs/PCA	3 TNTC	5.0 x 10 <sup>4</sup>	Failed
<sup>2</sup> TYMC/25 <sup>0</sup> C/5Days/MEA	1.0 x 10 <sup>1</sup>	5.0 x 10 <sup>2</sup>	Passed
<i>E Coli</i>	Absent	Absent	Passed
<i>Salmonella spp</i>	Present	Absence	Failed
<i>Staphylococcus spp</i>	Absent	Absence	Passed

<sup>1</sup>TAMC = Total Aerobic Microbial Count, <sup>2</sup>TYMC = Total Yeast and Molds

<sup>3</sup> TNTC = Too Numerous To Count

**General Conclusion:** The sample does not comply with the requirements as per BP specifications

**(B) Microbial Efficacy Analysis**

Pathogen	Product Inhibition Zone	Ciprofloxacin Inhibition Zone	Fluconazole Inhibition Zone
<i>S.aureus</i> (ATCC 25923)	12	35	N/A
<i>E.coli</i> (ATCC 25922)	6	35	N/A
<i>C.albicans</i> (ATCC 10231)	6	34	N/A
<i>K.pneumoniae</i> (ATCC 33495)	6	0	27
<i>P.aeruginosa</i> (ATCC 27853)	10	25	N/A
<i>P.mirabilis</i> (ATCC 49565)	6	30	N/A
<i>S.saprophyticus</i> (ATCC 15305)	6	34	N/A

The efficacy analysis was conducted using agar well diffusion method. (Holder and Boyce, 1994. Burns 20:264-9). The diameter of the cork borer used = 6 mm.

**General Conclusion:** The product showed antimicrobial activity

Analyzed By

Supervisor

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