



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

Product Code	Product Form	Date Received	Date Analysed
Hd/002/21	Herbal Distillate	10th , March 2021	9th , March 2021

(A) Microbial Load Analysis

Test Conducted	Result (CFU/g)	Accepted Criterion BP (2021)	Compliance
¹ TAMC/37 ⁰ C/24hrs/PCA	3 TNTC	5.0 x 10 ⁴	Failed
² TYMC/25 ⁰ C/5Days/MEA	9.9 x 10 ⁷	5.0 x 10 ²	Failed
<i>E Coli</i>	None	Absent	Passed
<i>Salmonella spp</i>	None	Absence	Passed
<i>Staphylococcus spp</i>	None	Absence	Failed

¹TAMC = Total Aerobic Microbial Count, ²TYMC = Total Yeast and Molds

³ TNTC = Too Numerous To Count

General Conclusion: 1

(B) Microbial Efficacy Analysis

Pathogen	Product Inhibition Zone	Ciprofloxacin Inhibition Zone	Fluconazole Inhibition Zone
<i>S.aureus</i> (ATCC 25923)	6	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)	6	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: 1

Analyzed By

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