



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	9th , March 2021	8th , March 2021

(A) Microbial Load Analysis

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

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

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

(B) Microbial Efficacy Analysis

Pathogen	PI Zone	CI Zone	FI Zone
<i>S. aureus</i> (ATCC 25923) :	6	6	6
<i>E. coli</i> (ATCC 25922) :	6	6	6
<i>C. albicans</i> (ATCC 10231) :	6	6	6
<i>K. pneumoniae</i> (ATCC 33495) :	6	6	6
<i>P. aeruginosa</i> (ATCC 27853) :	6	6	6
<i>P. mirabilis</i> (ATCC 49565) :	6	6	6
<i>S. saprophyticus</i> (ATCC 15305) :	6	6	6

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 did not show antimicrobial activity

Analyzed By

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