



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

Product Code	Form	Date Received	Date Analysed
DC/0001/21	Decoction	24th , February 2021	9th , February 2021

(A) Microbial Load Analysis

Test Conducted	Result (CFU/ml)	Accepted Criterion BP (2021)	Compliance
¹ TAMC/37 ⁰ C/24hrs/PCA	0.0 x 10 ⁰	5.0 x 10 ⁴	Failed
² TYMC/25 ⁰ C/5Days/MEA	0.0 x 10 ⁰	5.0 x 10 ²	Passed
E Coli	None	Absent	Failed
Salmonella spp	None	Absence	Failed
Staphylococcus spp	None	Absence	Passed

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

General Conclusion: None

(B) Microbial Efficacy Analysis

Pathogen	PI Zone	CI Zone	FI Zone
S.aureus(ATCC 25923)	6	35	N/A
E.coli (ATCC 25922)	6	35	N/A
C.albicans(ATCC 10231)	6	34	N/A
K.pneumoniae (ATCC 33495)	6	0	27
P.aeruginosa(ATCC 27853)	6	25	N/A
P.mirabilis(ATCC 49565)	6	30	N/A
S.saprophyticus (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 did not show antimicrobial activity

Analyzed By

Mr Paa Kwasi
Research Officer

Supervisor

Mr Paa Kwasi
Research Officer