



SN - De43/21/210304

CENTRE FOR PLANT MEDICINE RESEARCH.
MICROBIOLOGY DEPARTMENT

Product Code	Product Form	Date Received	Date Analysed
De/039/21	Decoction	21st , April 2021	24th , February 2021

A) Microbial Load Analysis

Test Conducted	Result (CFU/ml)	Acceptance 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	3 TNTC	5.0 x 10 ²	Failed
<i>E Coli</i>	Absent	Absent	Passed
<i>Salmonella spp</i>	Absent	Absent	Passed
<i>Staphylococcus spp</i>	Absent	Absent	Passed

¹TAMC = Total Aerobic Microbial Count, ²TYMC = Total Yeast and Molds Counts³ TNTC = Too Numerous To Count**General Comment:** The sample does not meet with the requirements as per BP specifications**B) Microbial Efficacy Analysis**

Pathogen	Product Inhibition Zone (mm)	Ciprofloxacin Inhibition Zone (mm)	Fluconazole Inhibition Zone (mm)
<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
<i>S. typhi</i> (ATCC 19430)	6	35	N/A
<i>E. feacalis</i> (ATCC 29212)	6	35	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. N/A = Not Applicable

General Comment: The product did not show antimicrobial activity

Analyzed By

Mr. Paa Kwasi Reseach
Officer

Supervisor

Mr. Paa Kwasi Reseach
Officer