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SN - Sps194/22/210419

CENTRE FOR PLANT MEDICINE RESEARCH.
MICROBIOLOGY DEPARTMENT

Product Code	**Product Form**	**Date Received**	**Date Analysed**
Sps/003/21	Soap (Solid)	15th April, 2021	27th April, 2021

A) Microbial Load Analysis

Test	**Result (CFU/g)**	**Acceptance Criterion BP (2021)**	**Compliance**
[1]TAMC/ 37 ^{0}C /24h/PCA	3 TNTC	5.0 x 10^4	Passed
[2]TYMC/ 25 ^{0}C /5Days/MEA	1.0 x 10^2	5.0 x 10^2	Passed
E. coli	Absent	Absent	Passed
Salmonella sp.	Absent	Absent	Passed
Staphylococcus sp.	Absent	Absent	Passed

[1]TAMC = Total Aerobic Microbial Count *[2]TYMC = Total Yeast and Molds Counts* *[3] TNTC = Too Numerous To Count*

General Comment: The sample meets the microbial load requirements as per BP specifications

B) Microbial Efficacy Analysis

Pathogen	**Product Inhibition Zone (mm)**	**Ciprofloxacin Inhibition Zone (mm)**	**Fluconazole Inhibition Zone (mm)**
S. aureus(ATCC 25923)	12	35	-
E. coli (ATCC 25922)	10	35	-
C. albicans(ATCC 10231)	20	-	27
K. pneumoniae (ATCC 33495)	6	34	-
P. aeruginosa(ATCC 27853)	16	25	-
P. mirabilis(ATCC 49565)	13	30	-
S. saprophyticus (ATCC 15305)	12	34	-
S. typhi(ATCC 19430)	6	35	-
E. feacalis (ATCC 29212)	6	35	-

The efficacy analysis was conducted using agar well diffusion method. (Holder and Boyce, 1994. Burns 20:264-9). The diametre of the cork borer used = 6 mm. (- or N/A) = Not Applicable

General Comment:

General Conclusion: The product passed the microbial load analysis and showed anti-microbial activity.

Analyzed By

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