



Certificate of Analysis

Product	20626 - Soyatone BactoBio for bacteriology - [91079-46-8]
Batch No	8673217
Analysis Date	16-May-2024
Date of Manufacture	May 2024
Expiry Date/Re-Test Date	May 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Light to medium tan	Complies
Appearance (Form)	Free, flowing homogeneous powder	Complies
Solubility (Colour) 2% aq. solution	Light to medium amber, clear	Complies
pH (25°C)	7.0 ± 0.5 (2.0%)	6.58 Complies
Stability (After autoclaving)	Light to medium amber, clear	Complies
Loss on drying	< = 5.0%	4.45% Complies
Nitrogen (N) content	9.0 - 10.5%	Complies
NaCl	< 5.0%	Complies
Ash	<= 22.0%	Complies
Total Aerobic microbial count	(By Plate Count Method) : < 10,000 cfu/gm	Complies
Cultural Response	Inoculate and incubate at 37°C for 18 -24 hours with the following organisms	
Organism	Staphylococcus aureus ATCC 25923	
Inoculum (cfu) 10-100	Growth : Good	Complies
Organism	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth : Good	Complies
Organism	Pseudomonas aeruginosa ATCC 27853	
Inoculum (cfu) 10-100	Growth : Good	Complies
Organism	Enterobacter aerogenes ATCC 13048	
Inoculum (cfu) 10-100	Growth : Good	Complies
Indole Production (0.1%)	Escherichia coli ATCC 25922 Growth : Good, Result : Positive	Complies
Hydrogen Sulphide Production (1.0%)	Salmonella typhimurium ATCC 14028 Growth : Good, Result : Positive	Complies
Fermentable carbohydrates (2%)	Escherichia coli ATCC 25922 Growth : Good, Result : Positive	Complies
Acetylmethylcarbinol Production	Enterobacter aerogenes ATCC 13048 Growth : Good, Result : Positive	Complies