



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Beef Extract Powder	
Product Code: CH025-100gm	Expiry Date : 13/06/2026
Lot Number: G0820618	Release Date: 13/06/2018
Analytical Report Number: QAD/AR-18/06-548	Page No : Page 1 of 2

TESTS CONDUCTED	SPECIFICATIONS	OBSERVATIONS	REMARKS
CAS No.	68990-09-0	68990-09-0	Complies
Chemical Name	Not Applicable	Not Applicable	Complies
Formula	Not Applicable	Not Applicable	Complies
Molecular weight	Not Applicable	Not Applicable	Complies
Appearance	Light yellow to brownish yellow colored, homogenous free flowing powder, having characteristic, but not putrescent odour.	Light yellow to brownish yellow colored, homogenous free flowing powder, having characteristic, but not putrescent odour.	Complies
Solubility	Freely soluble in distilled/purified water, insoluble in alcohol.	Freely soluble in distilled/purified water, insoluble in alcohol.	Complies.
Clarity	1% w/v aqueous solution remains clear without haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.	1% w/v aqueous solution remains clear without haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.	Complies.
pH	5.90 – 6.90, Reaction of 2.0% w/v aqueous solution at 25 °C	6.58	Complies
Microbiological Characters:			
Total aerobic microbial count (cfu/gm)	<= 2000 CFU/gram	1200 CFU/gram	Complies.
Total Yeast and mould count (cfu/gm)	<= 100 CFU/gram	60 CFU/gram	Complies.
<i>E.coli</i> species	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
TESTS CONDUCTED	SPECIFICATIONS	OBSERVATIONS	REMARKS
<i>Salmonella</i> species	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
<i>Pseudomonas aeruginosa</i>	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.




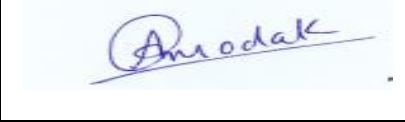
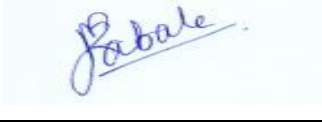
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C.albicans	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
Clostridia	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
Production of Indole	Medium: 0.1% peptone in water. After inoculation with test culture and incubation for 24 hours at 35-37°C.		
	Escherichia coli ATCC 25922	Appearance of distinct pink to red color ring (Positive test).	Complies
	Enterobacter aerogenes ATCC 13048	No formation of pink to red colored ring (Negative test).	Complies
Chemical Analysis			
Total Nitrogen	>= 12.50%		Complies
Amino Nitrogen	>= 3.50%		Complies
Sodium chloride	<= 5.50%		Complies
Loss on drying	<= 6.50%		Complies
Residue on ignition	<= 12.00%		Complies
Packing & Storage	Packed in well closed containers		Complies

Final Results: COMPLIES

This is to certify that this lot passes and it conforms to the above mentioned tests and specifications.

		
TESTED BY (Madhura Kadam) MICROBIOLOGIST	CHECKED BY (Aditi Modak) HEAD MICROBIOLOGY	APPROVED BY (Rupali Sabale) HEAD QUALITY ASSURANCE

End Of The Report