CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Tryptone	
Product Code: CH020	**Expiry Date : 27/09/2019**
Lot Number: 06770917	**Release Date: 27/09/2017**
Analytical Report Number: QAD/AR-17/09-1071	**Page No : Page 1 of 4**

TESTS CONDUCTED	SPECIFICATIONS	OBSERVATIONS	REMARKS
CAS No.	100209-45-8	100209-45-8	Complies
Chemical Name	Not Applicable	Not Applicable	Complies
Formula	Not Applicable	Not Applicable	Complies
Molecular weight	Not Applicable	Not Applicable	Complies
Appearance	Off white to light yellow Homogenous Free flowing powder, having Characteristic odour but not putrescent	Off white to light yellow Homogenous Free flowing powder, having Characteristic odour but not putrescent	Complies
Solubility	Freely soluble in distilled/purified water, insoluble in alcohol and ether.	Freely soluble in distilled/purified water, insoluble in alcohol and ether.	Complies.
Clarity	1% w/v aqueous solution is clear without any haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.	1% w/v aqueous solution is clear without any haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.v.	Complies.
pH	6.30- 7.30	6.89	Complies
Test for Pathogens			
Total aerobic microbial count (cfu/gm). By plate method when incubated at 30-35°C for not less than 3 days.	<= 2000 CFU/gram	1300 CFU/gram	Complies.

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TESTS CONDUCTED	SPECIFICATIONS	OBSERVATIONS	REMARKS
Total Yeast and mould count (cfu/gm). By plate method when incubated at 20-25°C for not less than 5 days.	<= 100 CFU/gram	68 CFU/gram	Complies.
E.coli species	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
Salmonella species	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
Pseudomonas aeruginosa	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
Staphylococcus aureus	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
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

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Cultural Response: Cultural response observed after an incubation at 35-37ºC for 18-48 hours by preparing Soyabean Casein Digest Medium using Tryptone, Certified as an ingredient.

TESTS CONDUCTED	SPECIFICATIONS	OBSERVATIONS	REMARKS
Escherichia coli ATCC 25922	Characteristic, luxuriant growth	Characteristic, luxuriant growth	Complies
Pseudomonas aeruginosa ATCC 27853	Characteristic, luxuriant growth	Characteristic, luxuriant growth	Complies
Enterobacter aerogenes ATCC 13048	Characteristic, luxuriant growth	Characteristic, luxuriant growth	Complies
Salmonella Typhi ATCC 6539	Characteristic, luxuriant growth	Characteristic, luxuriant growth	Complies
Staphylococcus aureus ATCC 25923	Characteristic, luxuriant growth	Characteristic, luxuriant growth	Complies
Streptomyces albus ATCC 3004	Characteristic, luxuriant growth	Characteristic, luxuriant growth	Complies
Streptococcus pyogenes ATCC 19615	Luxuriant w/ beta haemolysis (with addition of sterile 5% sheep blood in above medium after 48 hours of incubation at 35-37°C).	Luxuriant w/ beta haemolysis (with addition of sterile 5% sheep blood in above medium after 48 hours of incubation at 35-37°C).	Complies
Neisseria gonorrhoeae ATCC 19424	Luxuriant w/ beta haemolysis (with addition of sterile 10% sheep blood to above medium heated to 80 to 90°C until blood has turned to chocolate brown and incubated in 10% CO_2 atmosphere after 48 hours of incubation at 35-37°C).	Luxuriant w/ beta haemolysis (with addition of sterile 10% sheep blood to above medium heated to 80 to 90°C until blood has turned to chocolate brown and incubated in 10% CO_2 atmosphere after 48 hours of incubation at 35-37°C).	Complies

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Chemical Analysis			
Total Nitrogen	>= 12.50%	12.55%	Complies
Amino Nitrogen	>= 3.50%	3.50%	Complies
Sodium chloride	<= 5.50%	5.48%	Complies
Loss on drying	<= 6.50%	6.49%	Complies
Residue on ignition	<= 12.00%	12.00%	Complies
Packing & Storage	Packed in well closed containers	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** **(Tejal Shinde)** **HEAD MICROBIOLOGY**	**APPROVED BY** **(Rupali Sabale)** **HEAD QUALITY ASSURANCE**

End Of The Report

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