CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Bile Salt	
Product Code: CH003	**Expiry Date : 14/09/2024**
Lot Number: 06450916	**Release Date: 14/09/2016**
Analytical Report Number: QAD/AR-16/09-1258	**Page No : Page 1 of 2**

TESTS CONDUCTED	SPECIFICATIONS	OBSERVATIONS	REMARKS
CAS No.	145-42-6	145-42-6	Complies
Chemical Name	Not Applicable	Not Applicable	Complies
Formula	Not Applicable	Not Applicable	Complies
Molecular weight	Not Applicable	Not Applicable	Complies
Appearance	Yellow to greenish yellow colored, homogenous free flowing powder, having characteristic bile like odour.	Yellow to greenish yellow colored, homogenous free flowing powder, having characteristic bile like odour.	Complies
Solubility	Freely soluble in distilled/purified water.	Freely soluble in distilled/purified water.	Complies.
Clarity	1% w/v aqueous solution is clear and free from extraneous matter, after autoclaving at 15 lbs pressure (121°C) for 15 minutes.	1% w/v aqueous solution is clear and free from extraneous matter, after autoclaving at 15 lbs pressure (121°C) for 15 minutes.	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.
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.
C.albicans	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.

Micromaster Laboratories Pvt. Ltd.
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TESTS CONDUCTED	SPECIFICATIONS	OBSERVATIONS	REMARKS
Clostridia	Negative in 10 gms of sample	Negative in 10 gms of sample	Complies.
Reaction	pH : 6.50 – 7.50, Reaction of 1.0% w/v aqueous solution at 25 °C	pH : 6.90 Reaction of 1.0% w/v aqueous solution at 25 °C	
Chemical Analysis			
Bile Acids (as cholic acid)	>= 45.00%	45.29%	Complies.
Sodium chloride	<= 5.50%	5.12%	Complies.
Loss on drying	<= 5.50%	4.98%	Complies.
Residue on ignition	<= 20.00%	19.84%	Complies.
Water (H_2O)	<= 2.00%	1.97%	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 **(Soniya Sebastian)** **MICROBIOLOGIST**	**CHECKED BY** **(Vijayalakshmi Poojari)** **HEAD MICROBIOLOGY**	**APPROVED BY** **(Rupali Sabale)** **HEAD QUALITY ASSURANCE**

End Of The Report

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