

Certificate of Analysis

Product Name:

Sodium Glycocholate Hydrate PurCert Standard

Product No.: PSR49299
Lot No.: S49299ST1025
Brand: PureSynth
CAS No.: 338950-81-5
Molecular Formula: $C_{26}H_{42}NNaO_6 \cdot xH_2O$
Molecular Weight: 487.61g/mol(anhy.basis)
Date of Mfg.: October,2025
Date of Exp.: September,2030

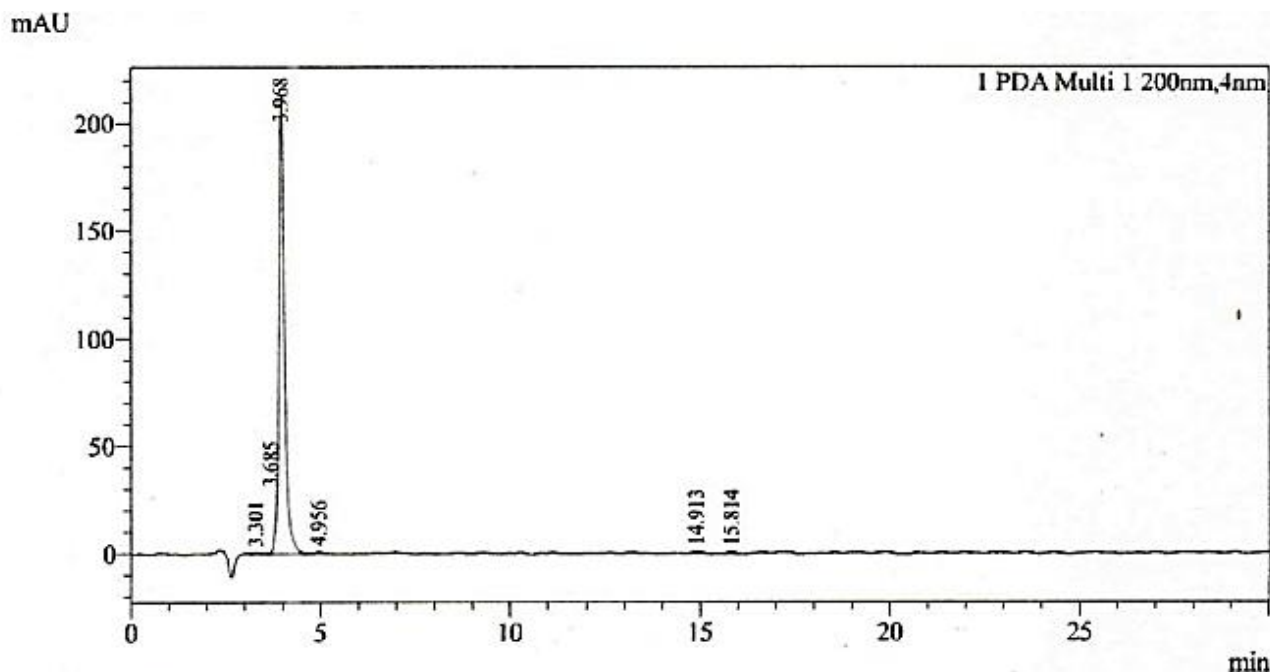
Test	Specification	Result
Appearance	Off white powder	Conforms
Assay (By HPLC)	$\geq 99.0 \%$	99.14 %
pH (5% in aq. soln)	7.0 - 9.0	8.12
Loss on drying (LOD)	NMT 7.5 %	5.2 %
Identification by Mass	Conforms to Molecular Mass	Conforms
Identification by IR	Conforms to Structure	Conforms
Identification by 1H NMR	Conforms to Structure	Conforms

***Traceable to Internal Reference Standard.**

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For queries on this COA, please contact our technical team at technical@pure-synth.com

ASSAY BY HPLC



<Peak Table>

Peak Table

PDA Ch1 200nm

Peak#	Ret. Time	Relative Retention Time	Area	Area%
1	3.301	0.832	3308	0.146
2	3.685	0.929	977	0.043
3	3.968	1.000	2246903	99.143
4	4.956	1.249	3807	0.168
5	14.913	3.758	7184	0.317
6	15.814	3.985	4147	0.183
Total			2266326	100.000

Purity by HPLC: 99.14 %

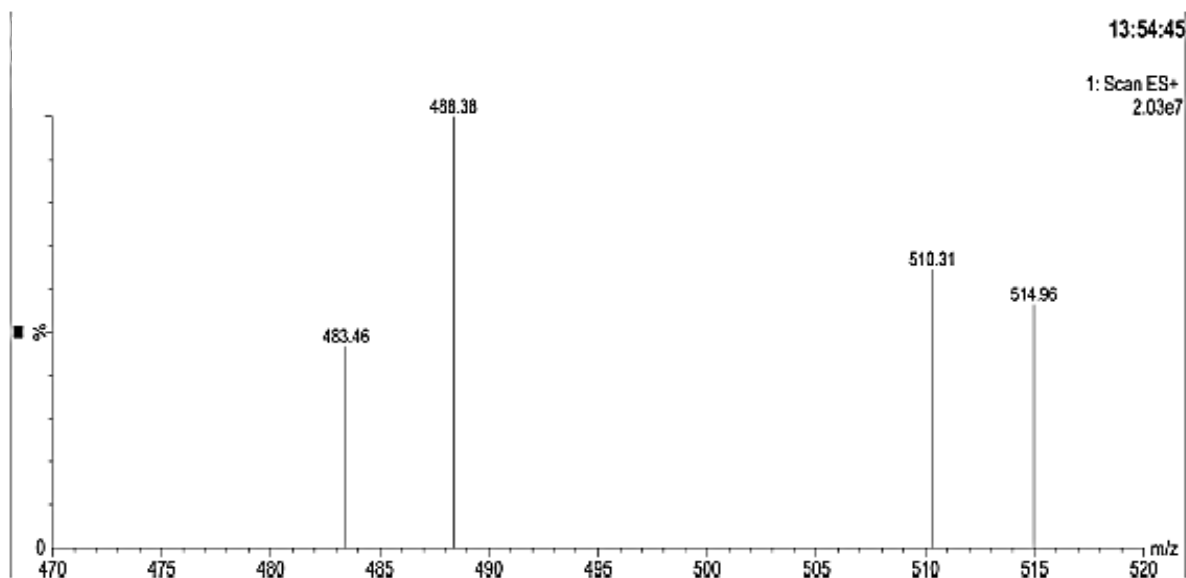
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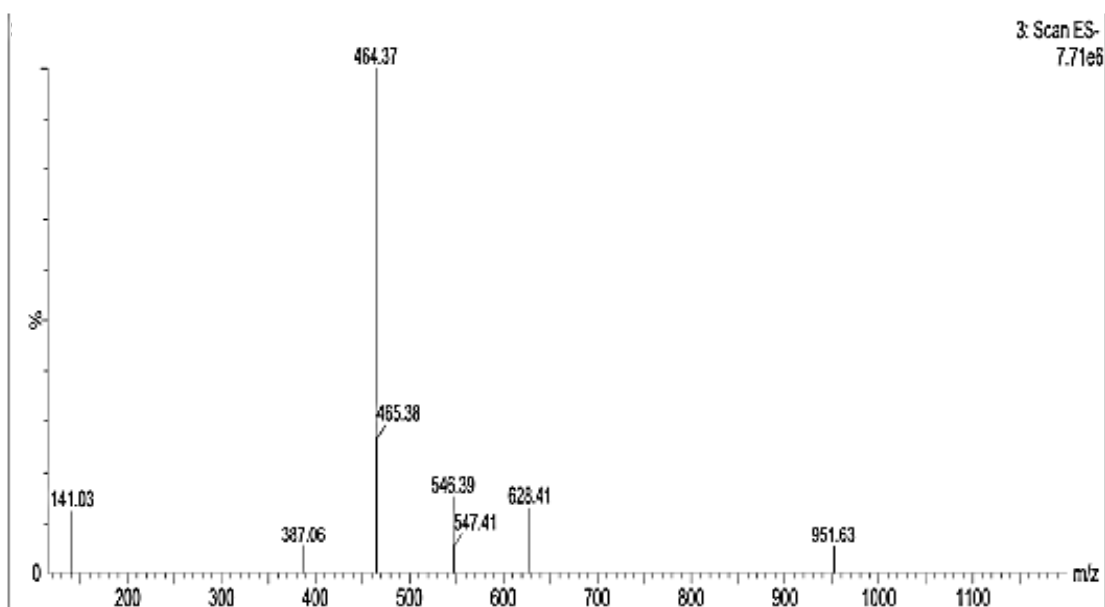
IDENTIFICATION TESTS

MS Spectrum:

Mass by LCMS (ESI positive ion mode)



Mass by LCMS (ESI negative ion mode)



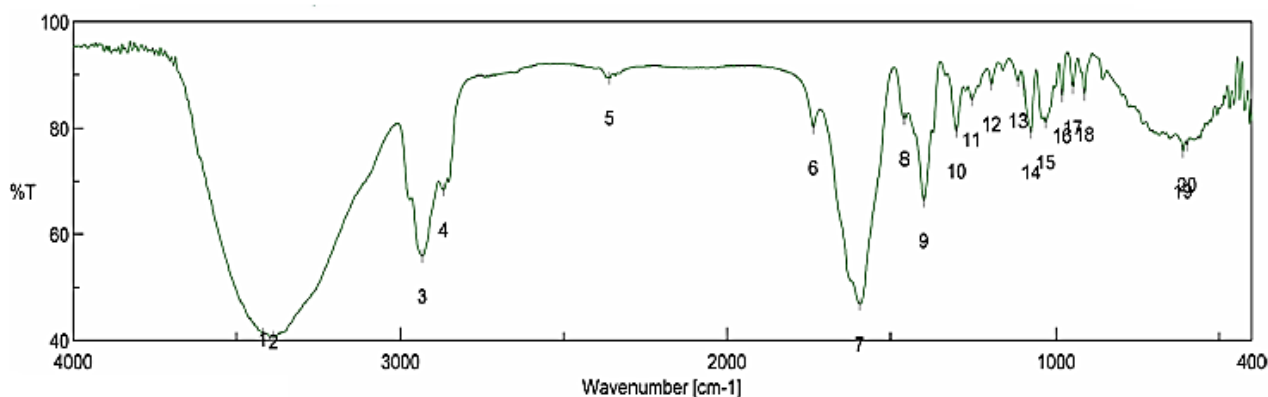
Identification by LC-MS: Confirms to molecular mass

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Infrared spectrum:

Product Name: Sodium Glycocholate Hydrate
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Results of Peak Find

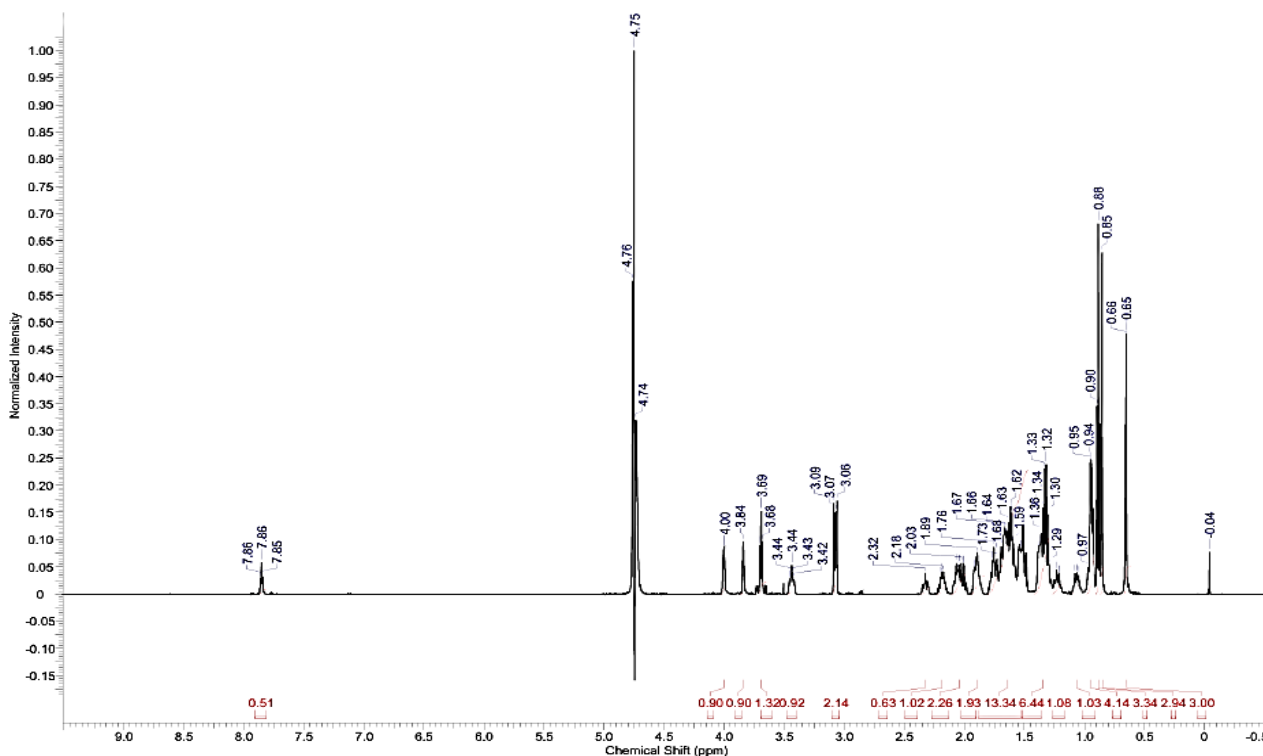
No.	Position	Intensity	No.	Position	Intensity	No.	Position	Intensity	No.	Position	Intensity
1	3421.1	41.0107	2	3388.32	40.5672	3	2933.2	55.7799	4	2867.63	68.2439
5	2358.52	89.3927	6	1736.58	79.9899	7	1593.88	46.7786	8	1460.81	81.6733
9	1404.89	66.2469	10	1304.61	79.3054	11	1257.36	85.2708	12	1196.61	88.1626
13	1114.65	88.862	14	1077.05	79.1903	15	1032.69	81.0442	16	981.59	86.0119
17	947.842	87.6004	18	913.129	86.235	19	612.288	75.5919	20	599.753	76.7797

Identification by IR: **Conforms to structure**

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¹H NMR Spectrum:

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Identification by ¹H NMR: Conforms to structure

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a temperature of 2-8°C and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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