

## Certificate of Analysis

Date of Testing: 2023-09-19 10:18:47  
Date of Next Testing: 2027-09-18 10:18:47  
Product Name: **Sodium glycocholate hydrate**  
CAS Number: 338950-81-5  
Specifications & Purity: 98%  
Lot #: I2314053  
SKU #: **S101417**  
**Analysis:** **277953**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis (anhydrous)	2.6-3.1 (%)	2.91 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	26-30 (°)	29.64°
Purity(HPLC)	98-100 (%)	99.99500 %
Water by Karl Fischer	2.5-8 (%)	4.54 %
Appearance (S101417)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su  
QA & QC Manager