

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-01-08 10:11:57  
Date of Next Testing: 2029-01-07 10:11:57  
Product Name: **Sodium glycocholate hydrate**  
CAS Number: 338950-81-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: F1728047  
SKU #: **S101417**  
Version: **0**  
Analysis #: **458714**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis (anhydrous)	2.6-3.1 (%)	2.89%
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	26-30 ( $^{\circ}$ )	28.10 $^{\circ}$
Purity(HPLC)	98-100 (%)	99.09800%
Water by Karl Fischer	2.5-8 (%)	5.32%
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