

## Certificate of Analysis

Date of Testing: 2023-11-22 11:59:27  
Date of Next Testing: 2027-11-21 11:59:27  
Product Name: **Lithocholic acid**  
CAS Number: 434-13-9  
Specifications & Purity: >97.0%  
Lot #: K2316278  
SKU #: **L106779**  
Version: **0**  
Analysis #: **293650**

Parameter	Limit Values	Result
Melting point	185-190 (°C)	185.87000 °C
Specific Rotation [α] <sub>20</sub> /D(c=1 in EtOH)	33-38 (°)	34.04°
Purity(HPLC)	97-100 (%)	99.65100%
Purity(Neutralization titration)	96.5-103.5 (%)	100.09%
Appearance (L106779)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager