

## Certificate of Analysis

Date of Testing: 2023-03-21 16:55:03

Date of Next Testing: 2027-03-20 16:55:03

Product Name: **Lithocholic acid**

CAS Number: 434-13-9

Specifications & Purity: >97.0%

Lot #: C2314333

SKU #: **L106779**

**Analysis: 193751**

Parameter	Limit Values	Result
Melting point	185-190 (°C)	189.07000 °C
Specific Rotation [α] <sub>20</sub> /D(c=1 in EtOH)	33-38 (°)	33.65°
Purity(HPLC)	97-100 (%)	99.95700%
Purity(Neutralization titration)	96.5-103.5 (%)	99.52%
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