

Certificate of Analysis

Date of Testing: 2022-09-17 10:17:37

Date of Next Testing: 2026-09-16 10:17:37

Product Name: **Cholic acid**

CAS Number: 81-25-4

Specifications & Purity: 98%

Lot #: I2209293

SKU # **C103690**

Version **1**

Analysis #: **116942**

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	99.60%
Sulfate Ash	0-0.1 (%)	0.05%
Heavy metal (as Pb)	0-20 (ppm)	3.70 ppm
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in MeOH})$	35-37 (°)	35.89°
Loss on drying(135°C)	0-1 (%)	0.29%
Purity(HPLC)	98-100 (%)	99.58400%
Melting point	197-202 (°C)	199.38000 °C
Appearance (C103690)	white to beige powder	white to beige powder
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH , Colorless to Faint Yellow Clear to Hazy,50mg/ml	pass	Pass



John Su
QA & QC Manager