

Certificate of Analysis

Date of Testing: 2023-06-11 20:51:56

Date of Next Testing: 2027-06-10 20:51:56

Product Name: **Cholic acid**

CAS Number: 81-25-4

Specifications & Purity: 98%

Lot #: F23051284

SKU #: **C103690**

Analysis: **069569**

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	98.26 %
Sulfate Ash	0-0.1 (%)	0.03 %
Heavy metal (as Pb)	0-20 (ppm)	11.20 ppm
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in MeOH})$	35-37 (°)	35.42 °
Loss on drying(135°C)	0-1 (%)	0.29 %
Purity(HPLC)	98-100 (%)	99.70100 %
Melting point	197-202 (°C)	199.10000 °C
Appearance (C103690)	white to beige powder	white to beige powder
Solubility in MeOH , Colorless to Faint Yellow Clear to Hazy,50mg/ml	pass	Pass
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager