

## Certificate of Analysis

Date of Testing: 2025-07-12 13:57:11

Date of Next Testing: 2029-07-11 13:57:11

Product Name: **Cholic acid**

CAS Number: 81-25-4

Specifications & Purity:  $\geq 98\%$

Lot #: G2503055

SKU #: **C103690**

Version: **1**

Analysis #: **542618**

| Parameter                                                            | Limit Values          | Result                |
|----------------------------------------------------------------------|-----------------------|-----------------------|
| Purity (Titration by NaOH)                                           | 97.5-102.5 (%)        | 99.60%                |
| 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                  |



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