

## Certificate of Analysis

Date of Testing: 2023-11-16 13:22:24

Date of Next Testing: 2027-11-15 13:22:24

Product Name: **Sodium Cholate**

CAS Number: 361-09-1

Specifications & Purity: >98.0%

Lot #: K2309617

SKU # **S161419**

Analysis: **290117**

| Parameter                                                                       | Limit Values                                  | Result                                        |
|---------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Specific Rotation $[\alpha]_{20/D}(c=0.6 \text{ in EtOH})$                      | 33-37 (°)                                     | 33.84°                                        |
| Drying loss(110°C)                                                              | 0-5 (%)                                       | 2.63 %                                        |
| Purity(Titration by $\text{HClO}_4$ )(calcd.on anh.substance)                   | 97.5-102.5 (%)                                | 98.52 %                                       |
| Appearance (S161419)                                                            | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum                                                             | Conforms to Structure                         | Conforms to Structure                         |
| Solubility in $\text{H}_2\text{O}$ , Colorless to Faint Yellow ,Clear,100 mg/mL | pass                                          | Pass                                          |
| Infrared spectrum                                                               | Conforms to Structure                         | Conforms to Structure                         |



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