

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-15 13:29:58

Date of Next Testing: 2029-09-14 13:29:58

Product Name: **L-Cysteine ethyl ester hydrochloride**

CAS Number: 868-59-7

Specifications & Purity:  $\geq 98\%$

Lot #: K2125933

SKU #: **C100827**

Version: **0**

Analysis #: **570874**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                              | Limit Values                         | Result                               |
|------------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 1\text{mol/L HCl})$ | -13--11 (°)                          | -12.70000 °                          |
| Purity(Iodometric Titration)                                           | 97.5-102.5 (%)                       | 98.35000 %                           |
| Purity(HPLC)                                                           | 98-100 (%)                           | 98.02000 %                           |
| Appearance (C100827)                                                   | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| Infrared spectrum                                                      | Conforms to Structure                | Conforms to Structure                |
| Proton NMR spectrum                                                    | Conforms to Structure                | Conforms to Structure                |



John Su  
QA & QC Manager