

## Certificate of Analysis

Date of Testing: 2025-06-02 14:06:25

Date of Next Testing: 2029-06-01 14:06:25

Product Name: **L-Leucine methyl ester hydrochloride**

CAS Number: 7517-19-3

Specifications & Purity:  $\geq 98\%$

Lot #: E2521373

SKU #: **L109004**

Version: **0**

Analysis #: **386261**

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

| Parameter                                                       | Limit Values             | Result                   |
|-----------------------------------------------------------------|--------------------------|--------------------------|
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$ | 12-14 (°)                | 12.78°                   |
| Loss on drying                                                  | 0-0.5 (%)                | 0.42 %                   |
| Sulfate Ash                                                     | 0-0.2 (%)                | 0.20 %                   |
| Purity(Titration by AgNO <sub>3</sub> )                         | 98-100 (%)               | 98.10 %                  |
| Substances not precipitated by ammonia                          | 0-0.5 (%)                | 0.32 %                   |
| Proton NMR spectrum                                             | Conforms to Structure    | Conforms to Structure    |
| Appearance (L109004)                                            | White Powder or Crystals | White Powder or Crystals |



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