

## Certificate of Analysis

Date of Testing: 2024-02-05 16:01:48

Date of Next Testing: 2028-02-04 16:01:48

Product Name: **L-Glutamic acid monosodium salt hydrate**

CAS Number: 6106-04-3

Specifications & Purity: 99%

Lot #: A2429403

SKU #: **S108801**

**Analysis:** **246417**

Storage Temperature: Room temperature

| Parameter                                                                   | Limit Values                          | Result                                |
|-----------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC)                                                                | 99-100 (%)                            | 99.48700 %                            |
| Water by Karl Fischer                                                       | 0-10 (%)                              | 2.37 %                                |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } 2\text{mol/L HCl})$     | 24-27 (°)                             | 25.62 °                               |
| Appearance (S108801)                                                        | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow ,Clear,100 mg/mL | pass                                  | Pass                                  |
| Proton NMR spectrum                                                         | Conforms to Structure                 | Conforms to Structure                 |



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