

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-05 10:39:19

Date of Next Testing: 2029-07-04 10:39:19

Product Name: **L-Glutamic acid  $\gamma$ -benzyl ester**

CAS Number: 1676-73-9

Specifications & Purity:  $\geq 98\%$

Lot #: G2503390

SKU #: **G110915**

Version: **0**

Analysis #: **533966**

Storage Temperature: Store at 2-8°C

| Parameter                                                | Limit Values          | Result                |
|----------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC)                                             | 98-100 (%)            | 99.20400 %            |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in AcOH})$ | 17-21 (°)             | 20.18700 °            |
| Melting point                                            | 172-180 (°C)          | 178.63000 °C          |
| Appearance (G110915)                                     | White to cream Powder | White to cream Powder |
| Proton NMR spectrum                                      | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager