

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-21 16:40:36
 Date of Next Testing: 2027-11-20 16:40:36
 Product Name: **5-Methyl N-Carbobenzoxy-L-glutamate**
 CAS Number: 4652-65-7
 Specifications & Purity: $\geq 98\%$ (HPLC)(T)
 Lot #: K2316311
 SKU #: **M158028**
 Version: **3**
 Analysis #: **280748**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	101.23000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$ -13~-11 (°)		-12.02700 °
Purity(HPLC area)	98-100 (%)	99.11300 %
Appearance(M158028)	White to Almost white powder to crystal	White to Almost white powder to crystal
Carbon NMR Spectrum	Conforms to structure	Conforms to Structure
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
 QA & QC Manager