

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-06 18:14:49

Date of Next Testing: 2027-02-05 18:14:49

Product Name: **L-glutamic acid p-nitroanilide**

CAS Number: 24032-35-7

Specifications & Purity: 98%

Lot #: B23011033

SKU #: **G117942**

Analysis: **145583**

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

Parameter	Limit Values	Result
Purity	98-100 (%)	98.33 %
Melting point	183-185 (°C)	184.98000 °C
Specific Rotation [α] _{20/D} (c=1 in 5 M HCl)	78.5-82 (°)	81.99 °
Oxygen by Elemental Analysis	29.1-30.1 (%)	29.22 %
Carbon by Elemental Analysis	48.2-49.6 (%)	48.22 %
Appearance (G117942)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager