

Certificate of Analysis

Date of Testing: 2023-02-06 18:25:20

Date of Next Testing: 2027-02-05 18:25:20

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

CAS Number: 24032-35-7

Specifications & Purity: 98%

Lot #: B23011019

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



John Su
QA & QC Manager