

Certificate of Analysis

Date of Testing: 2023-02-27 18:47:20

Date of Next Testing: 2027-02-26 18:47:20

Product Name: **L-Aspartic acid β -benzyl ester**

CAS Number: 2177-63-1

Specifications & Purity: 98%

Lot #: B2324317

SKU #: **A109015**

Analysis: **192531**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{N HCl})$	24-30 (°)	27.15°
Purity(NonaqueousTitration)	97.5-102.5 (%)	100.39 %
Water by Karl Fischer	0-0.5 (%)	0.02 %
Appearance (A109015)	White crystal powder	White crystal 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