

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-13 13:15:52

Date of Next Testing: 2026-09-12 13:15:52

Product Name: **L-Glutamic acid di-tert-butyl ester hydrochloride**

CAS Number: 32677-01-3

Specifications & Purity: 97%

Lot #: I2206801

SKU # **G116986**

Analysis: **108260**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.67100 %
Specific Rotation [α] ₂₀ /D(c=1 in MeOH)	20-24 (°)	22.62°
Appearance (G116986)	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