

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-05 11:13:52

Date of Next Testing: 2027-09-04 11:13:52

Product Name: **tert-Butyl N-(tert-Butoxycarbonyl)-L-pyroglutamate**

CAS Number: 91229-91-3

Specifications & Purity: ≥98%(HPLC)

Lot #: J1922200

SKU #: **T161881**

Version: **0**

Analysis #: **259931**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in CHCL ₃)	-43--38 (°)	-39.93400 °
Melting point	55-59 (°C)	58.15000 °C
Purity(HPLC)	98-100 (%)	98.86200 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (T161881)	White to Off-White Powder to crystals	White to Off-White Powder to Crystals



John Su
QA & QC Manager