

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-12 10:21:50
 Date of Next Testing: 2029-06-11 10:21:50
 Product Name: **tert-Butyl N-(tert-Butoxycarbonyl)-L-pyroglutamate**
 CAS Number: 91229-91-3
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: H2131440
 SKU #: **T161881**
 Version: **0**
 Analysis #: **526387**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	-43--38 (°)	-39.75500 °
Purity(HPLC)	98-100 (%)	99.68600 %
Melting point	55-59 (°C)	57.81800 °C
Appearance (T161881)	White to Off-White Powder to crystals	White to Off-White Powder to Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager