

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-26 16:47:40
 Date of Next Testing: 2028-11-25 16:47:40
 Product Name: **N-(tert-Butoxycarbonyl)-trans-4-(p-toluenesulfonyloxy)-L-proline Methyl Ester**
 CAS Number: 88043-21-4
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: K2521114
 SKU #: **T137714**
 Version: **0**
 Analysis #: **613806**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=0.7 \text{ in CHCl}_3)}$	-38--33 (°)	-37.90°
Purity(HPLC)	98-100 (%)	99.50000 %
Appearance (T137714)	White to Orange to Green powder to crystal	White to Orange to Green powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager