

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-17 14:11:42  
Date of Next Testing: 2028-03-16 14:11:42  
Product Name: **(1R,2R)-(-)-N-p-Tosyl-1,2-diphenylethylenediamine**  
CAS Number: 144222-34-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: F2406203  
SKU #: **R115657**  
Version: **0**  
Analysis #: **669619**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	128-131 (°C)	129.19800 °C
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in CH}_3\text{CN})$	-35--25 (°)	-30.10230 °
Purity(HPLC)	98-100 (%)	99.35800 %
Appearance (R115657)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager