

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-10 14:52:36  
Date of Next Testing: 2027-10-10 14:52:36  
Product Name: **(1R,2R)-(-)-N-p-Tosyl-1,2-diphenylethylenediamine**  
CAS Number: 144222-34-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: L2312063  
SKU #: **R115657**  
Version: **0**  
Analysis #: **579720**

Parameter	Limit Values	Result
Melting point	128-131 (°C)	129.59800 °C
Specific Rotation [α] <sub>20</sub> /D(c=1 in CH <sub>3</sub> CN)	-35--25 (°)	-30.30°
Purity(HPLC)	98-100 (%)	98.22300 %
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