

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

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|--------------------------|--|
| Date of Testing: | 2026-03-27 15:33:39 |
| Date of Next Testing: | 2028-03-26 15:33:39 |
| Product Name: | (1R,2R)-(-)-N-p-Tosyl-1,2-diphenylethylenediamine |
| CAS Number: | 144222-34-4 |
| Specifications & Purity: | ≥98% |
| Lot #: | A1904015 |
| SKU # | R115657 |
| Version | 0 |
| Analysis #: | 678045 |
| Storage Temperature: | Room temperature |

| Parameter | Limit Values | Result |
|---|---|---|
| Melting point | 128-131 (°C) | 129.56800 °C |
| Specific Rotation [α] ₂₀ /D(c=1 in CH ₃ CN) | -35--25 (°) | -30.13000 ° |
| Purity(HPLC) | 98-100 (%) | 98.10000 % |
| 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