

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-05 14:26:22
Date of Next Testing: 2026-07-04 14:26:22
Product Name: **(S)-Reticuline**
CAS Number: 1699-46-3
Specifications & Purity: $\geq 97\%$
Lot #: F23271400
SKU #: **R352414**
Version: **1**
Analysis #: **231770**
Storage Temperature: Store at -20°C

| Parameter | Limit Values | Result |
|--------------------------|----------------------------------|-----------------------------------|
| Purity(HPLC area) | 97-100 (%) | 99.70 % |
| Enantiomeric Excess | 98-100 (%) | 98.10000 % |
| LC-MS for identification | Conforms | Conforms |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Appearance(R352414) | white to Cream powder or crystal | White to cream Powder or crystals |



John Su
QA & QC Manager