

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2023-06-07 10:09:40  
Date of Next Testing: 2026-06-06 10:09:40  
Product Name: (S)-1,2,3,4-Tetrahydroisoquinoline-1-carboxylic acid  
CAS Number: 151004-92-1  
Specifications & Purity: 97%  
Lot #: E23301089  
SKU #: S191073  
Analysis: 219709

| Parameter           | Limit Values          | Result                |
|---------------------|-----------------------|-----------------------|
| Purity(HPLC area)   | 97-100 (%)            | 99.45900 %            |
| Enantiomeric Excess | 98-100 (%)            | 98.53600 %            |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager