

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-13 16:00:46

Date of Next Testing: 2026-05-12 16:00:46

Product Name: **(R)-2,2',3,3'-Tetrahydro-1,1'-spirobi[1H-indene]-7,7'-diamine**

CAS Number: 1041434-65-4

Specifications & Purity: 98%,99% ee

Lot #: E23081027

SKU #: **R281581**

**Analysis:** **216122**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter           | Limit Values          | Result                |
|---------------------|-----------------------|-----------------------|
| Purity(HPLC area)   | 98-100 (%)            | 98.00 %               |
| Enantiomeric Excess | 99-100 (%)            | 99.00000 %            |
| NMR Spectrum 1H     | Conforms to structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager