

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-02 10:57:09

Date of Next Testing: 2027-02-01 10:57:09

Product Name: **tert-Butyl (S)-2-pyrrolidone-5-carboxylate**

CAS Number: 35418-16-7

Specifications & Purity:  $\geq 98\%$

Lot #: A2330387

SKU #: **B118390**

Version: **2**

Analysis #: **152165**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                | Limit Values          | Result                |
|----------------------------------------------------------|-----------------------|-----------------------|
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$ | 8-10 (°)              | 8.48800°              |
| Purity(HPLC area)                                        | 98-100 (%)            | 99.31100%             |
| Proton NMR spectrum                                      | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager