

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-01 17:15:11

Date of Next Testing: 2028-07-31 17:15:11

Product Name: (S)-(+)-2-Aminobutanamide hydrochloride

CAS Number: 7682-20-4

Specifications & Purity: ≥99%

Lot #: K2016152

SKU #: A119770

Version: 0

Analysis #: 394679

Storage Temperature: Room temperature

| Parameter                                                       | Limit Values                               | Result                                     |
|-----------------------------------------------------------------|--------------------------------------------|--------------------------------------------|
| Purity(HPLC)                                                    | 99-100 (%)                                 | 99.17600 %                                 |
| Purity(Titration by AgNO <sub>3</sub> )                         | 99-100.5 (%)                               | 99.48000 %                                 |
| Specific Rotation [α] <sub>20/D</sub> (c=1 in H <sub>2</sub> O) | 23-25 (°)                                  | 23.02700 °                                 |
| Appearance (A119770)                                            | white to tan powder,crystals and/or chunks | white to tan powder,crystals and/or chunks |
| Infrared spectrum                                               | Conforms to Structure                      | Conforms to Structure                      |
| Proton NMR spectrum                                             | Conforms to Structure                      | Conforms to Structure                      |



John Su  
QA & QC Manager