

## Certificate of Analysis

Date of Testing: 2023-05-16 15:58:29

Date of Next Testing: 2027-05-15 15:58:29

Product Name: **Ala-Ala**

CAS Number: 1948-31-8

Specifications & Purity: 98%

Lot #: E2309310

SKU #: **A113991**

**Analysis:** **191470**

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

| Parameter                                                | Limit Values          | Result                |
|----------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC)                                             | 98-100 (%)            | 99.78100 %            |
| Specific Rotation [α] <sub>20</sub> /D(c=2 in 0.5 M HCL) | -38.9--36.1 (°)       | -38.29°               |
| Appearance (A113991)                                     | white powder          | White powder          |
| Proton NMR spectrum                                      | Conforms to Structure | Conforms to Structure |



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QA & QC Manager