

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-03 12:15:47
 Date of Next Testing: 2027-03-02 12:15:47
 Product Name: **Ala-Ala**
 CAS Number: 1948-31-8
 Specifications & Purity: $\geq 98\%$
 Lot #: B2327255
 SKU #: **A113991**
 Version: **0**
 Analysis #: **031016**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.21000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 0.5 \text{ M HCL})$	-38.9--36.1 (°)	-36.11000 °
Appearance (A113991)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager