

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-21 10:04:14

Date of Next Testing: 2027-07-11 10:04:14

Product Name: **all trans-Retinal**

CAS Number: 116-31-4

Specifications & Purity: Moligand™, ≥98%

Lot #: G2511114

SKU #: **A122355**

Version: **0**

Analysis #: **520180**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.67800 %
Carbon by Elemental Analysis	82-86.1 (%)	83.46500 %
Appearance (A122355)	Yellow to Orange Powder or crystals	Yellow to Orange Powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in Acetonitrile , Yellow to Dark Yellow,Clear,5 mg/mL	pass	Pass



John Su
QA & QC Manager