

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-04 11:12:11  
 Date of Next Testing: 2027-09-04 11:12:11  
 Product Name: **13-cis-Retinol**  
 CAS Number: 2052-63-3  
 Specifications & Purity: Moligand™, ≥95%  
 Lot #: H2426361  
 SKU #: **C330958**  
 Version: **1**  
 Analysis #: **398431**  
 Storage Temperature: Protected from light, Argon charged, Store at -80°C

| Parameter                | Limit Values                                  | Result                                        |
|--------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(NMR)              | 95-100 (%)                                    | 95.00000 %                                    |
| Appearance(C330958)      | Pale Yellow to Light Yellow Low-Melting Solid | Pale Yellow to Light Yellow Low-Melting Solid |
| LC-MS for identification | Conforms                                      | Conforms                                      |
| Proton NMR spectrum      | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager