

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-10 14:21:55  
 Date of Next Testing: 2027-07-10 14:21:55  
 Product Name: Chitin Oligosaccharides (contains N-Acetylglucosamine)  
 CAS Number:  
 Specifications & Purity:  
 Lot #: G2404482  
 SKU #: C406213  
 Version: 1  
 Analysis #: 377110  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                    | Limit Values                            | Result                                  |
|--------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Total Nitrogen                                               | 6.2- 6.5 (%)                            | 6.20000 %                               |
| Content of N-AG                                              | ≤ 50 (%)                                | 49.00000 %                              |
| Specific Rotation [α] <sub>20/D</sub> (c=1 H <sub>2</sub> O) | 17-23 (°)                               | 19.70000 °                              |
| Water by Karl Fischer                                        | ≤5 (%)                                  | 4.90000 %                               |
| Appearance(C406213)                                          | White to Almost white powder to crystal | White to Almost white powder to crystal |



John Su  
QA & QC Manager