

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-20 09:27:45  
 Date of Next Testing: 2028-04-19 09:27:45  
 Product Name: **D-(+)-Trehalose Anhydrous**  
 CAS Number: 99-20-7  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: C2626402  
 SKU #: **D110019**  
 Version: **2**  
 Analysis #: **677497**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                       | Limit Values                          | Result                                |
|-----------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Water by Karl Fischer                                           | 0-1 (%)                               | 0.06000 %                             |
| Purity(HPLC)                                                    | 99-100 (%)                            | 99.30000 %                            |
| Specific Rotation $[\alpha]_{20/D}(c=7 \text{ in H}_2\text{O})$ | 194-200 ( $^{\circ}$ )                | 195.40000 $^{\circ}$                  |
| Melting point                                                   | 200-208 ( $^{\circ}\text{C}$ )        | 201.20000 $^{\circ}\text{C}$          |
| Appearance (D110019)                                            | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum                                               | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O                                  | Almost transparency                   | almost transparency                   |



John Su  
QA & QC Manager