

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-13 13:42:26  
 Date of Next Testing: 2029-12-12 13:42:26  
 Product Name: **Lactulose**  
 CAS Number: 4618-18-2  
 Specifications & Purity: Moligand™, ≥98%  
 Lot #: L2512520  
 SKU #: **L104550**  
 Version: **0**  
 Analysis #: **615687**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                       | Limit Values                          | Result                                |
|-----------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC)                                                    | 98-100 (%)                            | 99.86300 %                            |
| Specific Rotation [α] <sub>20</sub> /D(c=4 in H <sub>2</sub> O) | -53--45 (°)                           | -48.89900 °                           |
| Appearance (L104550)                                            | Colorless or White Powder or Crystals | Colorless or White Powder or Crystals |
| Proton NMR spectrum                                             | Conforms to Structure                 | Conforms to Structure                 |



John Su  
 QA & QC Manager