

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-04 15:30:09  
Date of Next Testing: 2026-11-03 15:30:09  
Product Name: **Lactulose**  
CAS Number: 4618-18-2  
Specifications & Purity:  $\geq 98\%$   
Lot #: J2231126  
SKU #: **L104550**  
**Analysis:** **151597**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.62700 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in H}_2\text{O})$	-53--45 (°)	-49.44°
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