

## Certificate of Analysis

Date of Testing: 2022-05-06 11:19:53  
Date of Next Testing: 2026-05-05 11:19:53  
Product Name: **Lactulose**  
CAS Number: 4618-18-2  
Specifications & Purity:  $\geq 98\%$   
Lot #: D2229035  
SKU #: **L104550**  
Version: **0**  
Analysis #: **085600**  
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