

## Certificate of Analysis

Date of Testing: 2024-09-27 13:18:37  
Date of Next Testing: 2028-09-26 13:18:37  
Product Name: **Lactulose**  
CAS Number: 4618-18-2  
Specifications & Purity:  $\geq 98\%$   
Lot #: 12425443  
SKU #: **L104550**  
Version: **0**  
Analysis #: **410879**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	100.00000 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in H}_2\text{O})$	-53--45 (°)	-45.20°
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