

## Certificate of Analysis

Date of Testing: 2024-02-29 14:31:00  
Date of Next Testing: 2028-02-28 14:31:00  
Product Name: **Lactosum , anhydrous**  
CAS Number: 63-42-3  
Specifications & Purity: reagent grade,98%  
Lot #: B2427610  
SKU #: **L103492**  
**Analysis:** **332291**  
Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.16000 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)(calcd.on anh.substance)	54.4-59.9 (°)	55.11°
Water by Karl Fischer	0-1 (%)	0.37 %
Appearance (L103492)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager