

Certificate of Analysis

Date of Testing: 2025-06-30 10:21:53
Date of Next Testing: 2029-06-29 10:21:53
Product Name: **Lactosum , anhydrous**
CAS Number: 63-42-3
Specifications & Purity: AR, ≥98%
Lot #: F2519698
SKU #: **L103492**
Version: **0**
Analysis #: **519344**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.86600 %
Water by Karl Fischer	0-1 (%)	0.72 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$	54.4-59.9 (°)	54.42°
Appearance (L103492)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in H ₂ O	Almost transparency	almost transparency
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager