

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-06 11:39:56

Date of Next Testing: 2029-08-05 11:39:56

Product Name: **α -Lactose monohydrate**

CAS Number: 5989-81-1

Specifications & Purity: AR, $\geq 98\%$ (HPLC)

Lot #: H2501397

SKU #: **L102286**

Version: **0**

Analysis #: **289345**

Storage Temperature: Protected from light, Room temperature, Cool

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.37500 %
Water by Karl Fischer	4-6 (%)	4.23410 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	50-54 (°)	53.67200 °
Appearance (L102286)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in H ₂ O , Colorless Clear 100 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager