

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-11 10:20:00

Date of Next Testing: 2028-01-10 10:20:00

Product Name: **α -Lactose monohydrate**

CAS Number: 5989-81-1

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

Lot #: A2409354

SKU #: **L102286**

Version: **0**

Analysis #: **309537**

Storage Temperature: Protected from light, Room temperature, Cool

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.32000 %
Water by Karl Fischer	4-6 (%)	4.01000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	50-54 ($^{\circ}$)	53.98000 $^{\circ}$
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