

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-17 17:09:28

Date of Next Testing: 2027-05-16 17:09:28

Product Name: **α -Lactose monohydrate**

CAS Number: 5989-81-1

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

Lot #: E2311195

SKU #: L102286

Version: 0

Analysis #: 214118

Storage Temperature: Protected from light, Room temperature, Cool

Parameter	Limit Values	Result
Water by Karl Fischer	4-6 (%)	4.77190 %
Purity(HPLC)	98-100 (%)	99.35500 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	50-54 (°)	53.19800 °
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