

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-23 11:39:48
 Date of Next Testing: 2030-05-22 11:39:48
 Product Name: **α -Lactose monohydrate**
 CAS Number: 5989-81-1
 Specifications & Purity: AR, $\geq 98\%$ (HPLC)
 Lot #: E2613390
 SKU #: L102286
 Version: 0
 Analysis #: 694560
 Storage Temperature: Protected from light, Room temperature, Cool

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.91000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	50-54 (°)	51.77700 °
Water by Karl Fischer	4-6 (%)	4.12000 %
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