

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-18 14:46:17

Date of Next Testing: 2029-08-17 14:46:17

Product Name: **α-Lactose monohydrate**

CAS Number: 5989-81-1

Specifications & Purity: PharmPure™, USP

Lot #: K2103849

SKU #: **L102282**

Version: **3**

Analysis #: **555010**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Microbial contamination	0-100 (cfu/g)	10.49800 cfu/g
Ignition Residue	0-0.1 (%)	0.05000 %
Acidity(0.1 N NaOH)	0-0.4	0.20000 %
Water by Karl Fischer	4.5-5.5 (%)	4.98000 %
Loss on drying	0-0.5 (%)	0.21800 %
Heavy metals	0-5 (ppm)	0.24700 ppm
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O+0.2ml6N NH ₃)	54.4-55.9 (°)	54.44700 °
UV Absorbance 400nm,1%	0-0.04	0.00200
UV Absorbance 300nm,1%	0-0.07	0.00670
UV Absorbance 270nm,1%	0-0.07	0.01180
UV Absorbance 220nm,1%	0-0.25	0.03000
UV Absorbance 210nm,1%	0-0.25	0.04860
Appearance (L102282)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Enterobacteriaceae	none detected	none detected
Escherichia Coli	none detected	none detected
Identification	pass	Pass
Particle size	Pass	Pass
Salmonella	none detected	none detected
solution (colorless clear liquid,1g/10ml boiling water)	Pass	Pass



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager