

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-07-06 10:00:05

Date of Next Testing: 2030-07-05 10:00:05

Product Name: **α -Lactose monohydrate**

CAS Number: 5989-81-1

Specifications & Purity: for cell culture, $\geq 98\%$

Lot #: F2630101

SKU #: **V32391**

Version: **0**

Analysis #: **738213**

Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
beta lactose	0-2 (%)	0.00000 %
Water by Karl Fischer	4-6 (%)	5.63110 %
Purity(HPLC)	98-100 (%)	100.00000 %
Glucose	0-0.05 (%)	0.03000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } H_2O)$	50-54 (°)	52.77700°
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, 100mg/ml in water	Clear and colorless	Clear and colorless
Appearance(V32391)	White to Off-White Powder	White to Off-White Powder

Quality Assurance : Xiaoyong Tan

Quality Control : Yunlei Zhu

