

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-23 16:43:21
 Date of Next Testing: 2028-01-22 16:43:21
 Product Name: **D-Lactitol monohydrate**
 CAS Number: 81025-04-9
 Specifications & Purity: $\geq 98\%$
 Lot #: A2416498
 SKU #: **L121088**
 Version: **0**
 Analysis #: **299006**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	13.1-13.7 (°)	13.58000 °
Sulfate(SO ₄ ²⁻)	0-30 (ppm)	1.08000 ppm
Water by Karl Fischer	0-5.5 (%)	2.32330 %
Purity(HPLC)	98-100 (%)	98.39400 %
Heavy metals	0-5 (ppm)	0.35000 ppm
Ignition Residue	0-0.1 (%)	0.09800 %
Appearance (L121088)	White crystal powder	White crystal powder
NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear(5% in H ₂ O)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager