

Certificate of Analysis

Date of Testing: 2024-01-23 16:45:15

Date of Next Testing: 2028-01-22 16:45:15

Product Name: **D-Lactitol monohydrate**

CAS Number: 81025-04-9

Specifications & Purity: 98%

Lot #: A2416493

SKU #: **L121088**

Analysis: **299006**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	13.1-13.7 (°)	13.58°
Sulfate(SO ₄ ²⁻)	0-30 (ppm)	1.08 ppm
Water by Karl Fischer	0-5.5 (%)	2.32 %
Purity(HPLC)	98-100 (%)	98.39400 %
Heavy metals	0-5 (ppm)	0.35 ppm
Ignition Residue	0-0.1 (%)	0.10 %
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