LOBA Chemie
LABORATORY REAGENTS & FINE CHEMICALS

CERTIFICATE OF ANALYSIS

ISO 9001-2015 CERTIFIED

Product Name	: LACTOSE MONOHYDRATE Extra Pure		
Batch No.	: Sample COA	Release Date	: 09-Jun-2026
Mol. Formula	: C12H22O11.H2O	Mol. Weight	: 360.31
Code No.	: 04329	CAS No.	: 10039-26-6
Mfg. Date	: Jun-2026	Exp. Date	: May-2031
HAZ. / P.G.	: -	UN No.	: -

Sr.	Tests	Specifications	Results
1	Appearance	White or almost white crystalline powder	White crystalline powder
2	Specific optical rotation ([α]20/D; 10% in water; on dried substance)	+54.4 to +55.9°	+55.099°
3	Sulphated ash	Max 0.5%	0.12%
4	Water (by KF)	4.5 - 5.5%	5.20%
5	Heavy metal (as Pb)	Max 0.0005%	0.000003%
6	Arsenic (As)	Max 0.0001%	< 0.0001%
7	Copper (Cu)	Max 0.0025%	0.000038%
8	Lead (Pb)	Max 0.00005%	0.000003%
9	Zinc (Zn)	Max 0.0025%	0.000032%
10	Loss on drying (at 80°C ; 2 hrs)	Max 0.5%	0.12%
11	Matter extractable with ethanol	Max 0.4%	0.09%

***CONCLUSION -This above product complies as per the specifications of* LOBA CHEMIE PVT. LTD.**

Aniket Sakhare
Chemist

Massiullah Siddiki
QC Manager

LOBA CHEMIE PVT. LTD.

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