

CERTIFICATE OF ANALYSIS

Product Name	: DEXTROSE ANHYDROUS Extra Pure	Analyzed On	: 17-Jul-2021
Lot No.	: L373732107	Mol. Weight	: 180.16
Mol. Formula	: C ₆ H ₁₂ O ₆	CAS No.	: 50-99-7
Code No.	: 03169	Exp. Date	: Jun-2026
Mfg. Date	: Jul-2021	UN No.	: -
HAZ. / P.G.	: -		

Sr.	Tests	Specifications	Results
1	Appearance	White to almost white crystalline powder	White crystalline powder
2	Identification	To comply IP, BP, USP tests	Complies
3	Solubility	Freely soluble in water, sparingly soluble in ethanol (96 per cent)	Passes test
4	Specific optical rotation (20°C, 589 nm) (C=10, H ₂ O/dilute NH ₃) (Anhydrous substance)	+52.5° to +53.3°	+52.87°
5	Specific optical rotation (20°C, 589 nm) (C=10, 0.012N NH ₄ OH)	+52.6° to +53.2°	+52.84°
6	Appearance of solution	To comply BP test	Passes test
7	Colour of solution	To comply USP test	passes test
8	Acidity or alkalinity	To comply IP,BP, USP test	passes test
9	Sulphite	Max 0.0015% (passes IP test)	<0.0015%
10	Heavy metal (as Pb)	Max 0.0005%	0.000027%
11	Barium (Ba)	Passes IP, BP test	Passes test
12	Calcium (Ca)	Passes BP test	Passes test
13	Lead (Pb)	Max 0.00005%	0.000027%
14	Loss on drying (1 g, 105°C, 16h)	Max 0.5 %	0.23%
15	Foreign sugars, soluble starch, dextrans	Max 1.0%	<1.0%
16	Bacterial endotoxin	Not more than 0.5 Endotoxin unit/ ml of a 5 % w/v solution	Complies

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



Jagruti B. Patil
QC Manager

LOBA CHEMIE PVT. LTD.

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LOBA/QC/FM/01

04/10.03.2021