



CERTIFICATE OF ANALYSIS

PRODUCT NAME : LACTOSE (MONOHYDRATE)

CAS No : 10039-26-6

Product code : 15220

Mol. Formula : $C_{12}H_{22}O_{11}.H_2O$

Batch No. : MCR-28823

Mol. WT : 360.31

Mfd. : July 2023

Date of analysis : 19/07/23

Exp. : June 2028

S.R	Test	Specification	Observation
1	Description	White to almost white or cream or yellowish white powder or crystalline powder.	White powder.
2	Specific rotation $[\alpha]^{20}_D$ (10% in water +0.2ml dil NH_3)	+54.4 ⁰ to 55.9 ⁰	+54.96 ⁰
3	Acidity/Alkalinity	Passes test	Passes test
4	Water (KF)	4.5 – 5.5%	5.32%
5	Sulphated ash	0.1 % max	0.04%
6	Arsenic (As)	0.0001% max	<0.0001%
7	Lead (Pb)	0.0005% max	<0.0005%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Ruchi)**

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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