

CERTIFICATE OF ANALYSIS

PRODUCT NAME : DEXTROSE (MONOHYDRATE) AR
For Microbiology (D (+) glucose monohydrate)

CAS No	: 3996-10-1	Product code	: 22910
Mol. Formula	: C ₆ H ₁₂ O ₆ .H ₂ O	Batch No	: MCAR-01301
Mol. WT	: 198.17	Mfd.	: March 2025
Date of analysis	: 03/03/25	Exp.	: Feb. 2030

S.R	Test	Specification	Observation
1	Description	A white powder or crystalline powder	A white powder
2	Specific rotation $[\alpha]^{20}_D$ (20/D, 10% water, on dried substance)	+ 52.6 ⁰ to + 53.2 ⁰	+52.99 ⁰
3	Chloride(Cl)	0.005 % max	< 0.005 %
4	Sulphate(SO ₄)	0.01 % max	< 0.01 %
5	Sulphite(as SO ₂)	Passes test	Passes test
6	Heavy metals(Pb)	0.001 %max	< 0.001 %
7	Maltose	0.02 % max	< 0.02 %
8	Water	8.0 - 10.0%	9.21%
9	Suitability for microbiology	Passes test	Passes test
10	Sulphated ash	0.05 % max	0.03%
11	Arsenic (As)	0.00005 % max	< 0.00005 %

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Shruti)**



[QC Incharge]



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

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