

CERTIFICATE OF ANALYSIS

PRODUCT NAME : DEXTROSE (MONOHYDRATE) AR

For Microbiology (D (+) glucose monohydrate)

CAS No : 3996-10-1
Mol. Formula : C₆H₁₂O₆.H₂O
Mol. WT : 198.17
Date of analysis : 27/10/24

Product code : 22910
Batch No : MCAR-00777
Mfd. : Oct. 2024
Exp. : Sept. 2029

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	+52.94 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%	8.71%
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)**

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: info@molychem.net • Web: www.molychem.net

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaoon, Badlapur (E), Dist.-Thane-421 503.