



CERTIFICATE OF ANALYSIS

PRODUCT NAME : DEXTROSE (ANHYDROUS) AR

CAS No : 50-99-7
Mol. Formula : C₆H₁₂O₆
Mol. WT : 180.16
Date of analysis : 11/12/24

Product code : 22900
Batch No. : MCAR-00934
Mfd. : Dec. 2024
Exp. : Nov. 2029

S.R	Test	Specification	Observation
1	Description	A white powder or crystalline powder	A white powder.
2	Specific rotation $[\alpha]^{20}_D$ (10% water)(on dry basis)	+52.5 ⁰ to +53.0 ⁰	+52.67 ⁰
3	pH of 10% w/v aq. soln	Not less than 5.8	6.08
4	Water insoluble matter	0.003 % max	0.001 %
5	Alcohol-insoluble matter	0.005 % max	0.002 %
6	Loss on drying at 110⁰C	0.5 % max	0.48%
7	Sulphated ash	0.03 % max	0.02 %
8	Arsenic(As)	0.00002 % max	< 0.00002 %
9	Lead (Pb)	0.0001 % max	< 0.0001 %
10	Chloride (Cl)	0.0025 % max	< 0.0025 %
11	Sulphate (SO₄)	0.0025 % max	< 0.0025 %
12	Sulphite(SO₃)	0.0005 % max	< 0.0005 %
13	Iron (Fe)	0.0001 % max	< 0.0001 %

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

**CHEMIST
(Shruti)**

[QC Incharge]

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

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