

QUALITY SPECIFICATION

D-Galactose

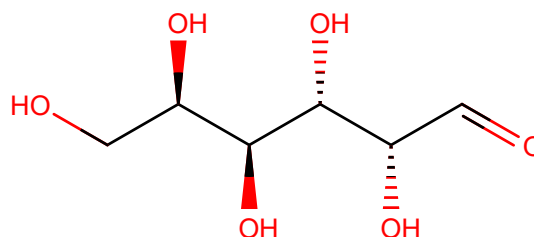
Catalog No.: NST-10-219

CAS No.: 59-23-4

Molecular formula: C₆H₁₂O₆

MW: 180.16

Shelf life: 24 months



No.	Parameter	Specification	Method
1.	Appearance	Powder	Visual
2.	Color	White	Visual
3.	Identification	Conforms	TLC&NMR
4.	Assay	≥98.0 %	HPLC-RID
5.	Residue on ignition	≤2.0 %	USP <281>
6.	Loss on drying	≤5.0 %	USP <731>
7.	Solvent residues	≤5000 ppm	GC
8.	Heavy Metals	≤10 ppm	ICP-MS
9.	Lead	≤2 ppm	ICP-MS
10.	Arsenic	≤1 ppm	ICP-MS
11.	Mercury	≤0.1 ppm	ICP-MS
12.	Cadmium	≤1 ppm	ICP-MS
13.	TPC	<10 ³ CFU/g	USP <2021>
14.	TYMC	<10 ² CFU/g	USP <2021>
15.	<i>Escherichia Coli</i>	Absent	USP <2022>
16.	<i>Salmonella</i>	Absent	USP <2022>

17.	<i>Staphylococcus aureus</i>	Absent	USP <2022>
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Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored