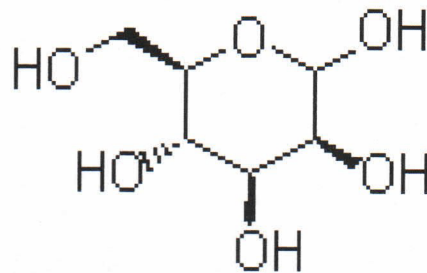


## D-Mannose

Batch no TC03-20240601  
Mf date Jun 02 2024  
Expiry Jun 01 2026  
Batch size 1000 kg

Molecular Structure



Molecular Formula  $C_6H_{12}O_6$   
Molecular Weight 180.16  
CAS Registry Number 3458-28-4

Sep 10 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White crystals or crystalline powder	White crystalline powder
Specific rotation $[\alpha]_D^{20}$	+13.0 ~ +14.5°	+14.1°
Chloride (Cl)	≤ 0.005%	< 0.005%
Sulfate (SO <sub>4</sub> )	≤ 0.005%	< 0.005%
Heavy metals	≤ 0.001%	< 0.001%
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤ 5 ppm	< 5 ppm
Loss on drying	≤ 0.5%	0.19%
Residue on ignition	≤ 0.1%	0.05%
Assay	≥ 98.0%	99.5%

Packaging & storage	Keep sealed and keep away from direct light
Conclusion	Material complies with in-house standard