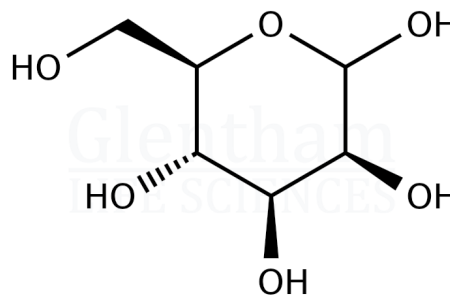


Certificate of Analysis

Product Name D-(+)-Mannose
Glentham Code GC7397
CAS Number 3458-28-4
EINECS 222-392-4
Numéro MDL MFCD00064122
PubChem SID 310276046
Batch Number 140XUW

Molecular Weight 180.16
Molecular Formula $C_6H_{12}O_6$
Storage Temp. +20°C



Property	Specification	Batch 140XUW
Physical Description	White crystalline powder	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation	+13.5 - +14.3 °	+13.9 °
Melting Point	126 - 134 °C	126 - 132 °C
Loss on Drying	≤ 0.5%	0.1%
Heavy Metals	≤ 10ppm	≤ 5ppm
Assay	≥ 99.0% (dried basis)	99.8%

Specification Version v1.1
Manufacture Date 2021-07-09
Re-Test Date 2030-11-15

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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