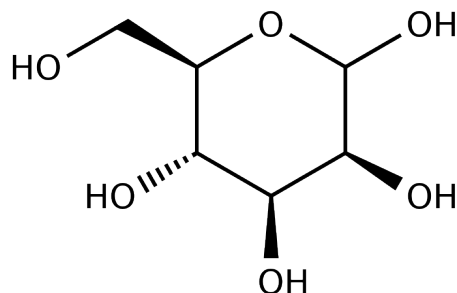


## Product Specification

Product Name : D-(+)-Mannose, 99%, from wood  
Glentham Code : GC8181  
CAS Number : 3458-28-4  
EINECS : 222-392-4  
MDL Number : MFCD00064122

Molecular Weight : 180.16  
Molecular Formula : C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>  
Storage Temp. : +20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Solubility (5% in water)	Clear, colourless to very faint yellow solution
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+13.3 - +14.3 °
Melting Point	126 - 134 °C
Heavy Metals	≤ 10ppm
Arsenic (As)	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Lead (Pb)	≤ 1ppm
Mercury (Hg)	≤ 1ppm
Residue on Ignition	≤ 0.1%
Purity (HPLC)	≥ 99.0%
Source	Wood (birch)

Specification Version : v1.0  
Date Created : 2019-05-22

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2019