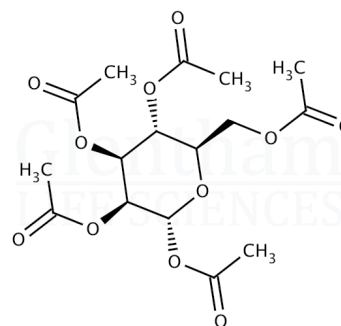


## Certificate of Analysis

Product Name	a-D-Mannose pentaacetate
Glentham Code	GC3160
CAS Number	4163-65-9
MDL Number	MFCD00069798
PubChem SID	310276047
Batch Number	143TPZ
Molecular Weight	390.34
Molecular Formula	C <sub>16</sub> H <sub>22</sub> O <sub>11</sub>
Storage Temp.	-20°C



Property	Specification	Batch 143TPZ
Physical Description	White to almost white crystalline powder	White powder
Identification (IR)	To conform to standard	Conforms
Solubility (10% in chloroform)	Clear, colourless to very faint yellow solution	Clear, colourless solution
Specific Optical Rotation ([α] <sub>D</sub> 20/D)	+52.0 - +56.0 ° (c=2, chloroform)	+54.6°
Purity (GC)	≥ 98.0%	99.1%

Specification Version	v1.0
Manufacture Date	2023-03-26
Re-Test Date	2030-05-05

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, 2024