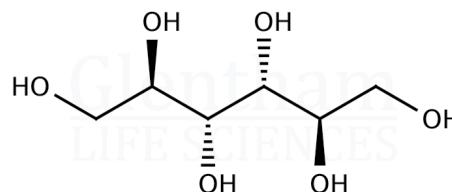


## Product Specification

Product Name	D-Mannitol, EP, USP grade
Glentham Code	GC1282
CAS Number	69-65-8
EINECS	200-711-8
MDL Number	MFCD00064287
PubChem SID	310276023
Molecular Weight	182.17
Molecular Formula	$C_6H_{14}O_6$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification	A, B according to USP
Identification	A, C, D according to Ph. Eur.
Melting Point	165 - 170 °C
Solubility (10% in water)	Clear, colourless solution
Conductivity	≤ 20µS/cm
Reducing Sugars	≤ 0.2% (as glucose)
D-Sorbitol	≤ 2.0%
Impurity B	≤ 2.0%
Impurity C	≤ 2.0%
Any Unspecified Impurity	≤ 0.10%
Total Impurities	≤ 2.0%
Specific Optical Rotation	According to USP, Ph. Eur.
Nickel (Ni)	≤ 1ppm
Arsenic (As)	≤ 1ppm
Lead (Pb)	≤ 0.5ppm
Heavy Metals (as Pb)	≤ 5ppm
Chloride (Cl)	≤ 70ppm
Sulphate (SO <sub>4</sub> )	≤ 100ppm
Loss on Drying	≤ 0.30%
Assay	98.0 - 102.0 % (anhydrous substance)
Pharmacopoeia Specification(s)	USP, Ph. Eur.

Specification Version	-	v1.1
Date Created	-	2019-08-19

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.

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