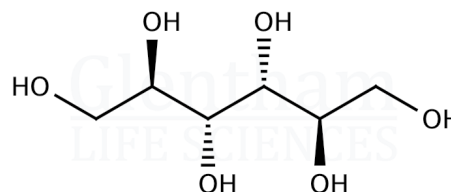


Product Specification

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 ₄)	≤ 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 or contact us using the details above for the current version of this document.

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