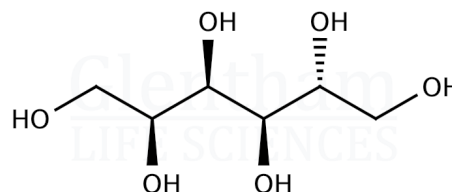


Product Specification

Product Name	D-Sorbitol, Ph. Eur., USP/NF grade
Glentham Code	GC1670
CAS Number	50-70-4
EINECS	200-061-5
Numéro MDL	MFCD00004708

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, C, D according to Ph. Eur.
Identification	A, B according to USP
Solubility (10% in water)	Clear, colourless solution
pH (10% in water)	3.5 - 7.0
Specific Optical Rotation	+4.0 - +7.0 °
Conductivity	≤ 20μS/cm (20% wt./v in water)
Reducing Sugars	≤ 0.2%
Reducing Sugars	≥ 12.8ml (of 0.05M Na ₂ O ₃ S ₂ required)
D-Mannitol	≤ 2.0%
D-Iditol	≤ 2.0%
D-Maltitol	≤ 2.0%
Any Individual Impurity (HPLC)	≤ 2.0%
Total Impurities (HPLC)	≤ 3.0%
Lead (Pb)	≤ 0.5ppm
Nickel (Ni)	≤ 1ppm
Residue on Ignition	≤ 0.1%
Water	≤ 1.5%
Total Aerobic Microbial Count	≤ 1000CFU/g
Total Yeast and Mould Count	≤ 100CFU/g
Assay	97.0 - 100.5 %
Pharmacopoeia Specification(s)	Ph. Eur., USP/NF grade

Specification Version	- v1.0
Date Created	- 2018-07-28

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025