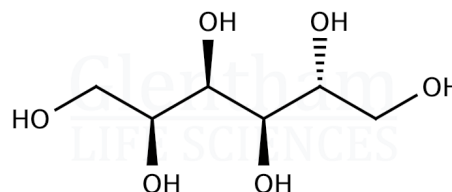


Certificate of Analysis

Product Name	D-Sorbitol, Ph. Eur., USP/NF grade
Glentham Code	GC1670
CAS Number	50-70-4
EINECS	200-061-5
MDL Number	MFCD00004708
Batch Number	852WOU
Molecular Weight	182.17
Molecular Formula	$C_6H_{14}O_6$
Storage Temp.	+20°C



Property	Specification	Batch 852WOU
Physical Description	White or almost white crystalline powder	White crystalline powder
Identification	A, B, C, D according to Ph. Eur.	Conforms. MP: 98 - 100 °C
Identification	A, B according to USP	Conforms
Solubility (10% in water)	Clear, colourless solution	Conforms
pH (10% in water)	3.5 - 7.0	Conforms
Specific Optical Rotation	+4.0 - +7.0 °	Conforms
Conductivity	≤ 20μS/cm (20% wt./v in water)	Conforms
Reducing Sugars	≤ 0.2%	Conforms
Reducing Sugars	≥ 12.8ml (of 0.05M Na ₂ O ₃ S ₂ required)	Conforms
D-Mannitol	≤ 2.0%	Conforms
D-Iditol	≤ 2.0%	Conforms
D-Maltitol	≤ 2.0%	Conforms
Any Individual Impurity (HPLC)	≤ 2.0%	Conforms
Total Impurities (HPLC)	≤ 3.0%	Conforms
Lead (Pb)	≤ 0.5ppm	Conforms
Nickel (Ni)	≤ 1ppm	Conforms
Residue on Ignition	≤ 0.1%	≤ 0.02%
Water	≤ 1.5%	0.2%
Total Aerobic Microbial Count	≤ 1000CFU/g	Conforms
Total Yeast and Mould Count	≤ 100CFU/g	Conforms
Assay	97.0 - 100.5 %	Conforms
Pharmacopoeia Specification(s)	Ph. Eur., USP/NF grade	Conforms to Ph. Eur., USP/NF

Specification Version	v1.0
Manufacture Date	2020-07-22
Re-Test Date	2028-08-24

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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