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## 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 852WOU **Batch Number** 182.17 Molecular Weight Molecular Formula  $C_{6}H_{14}O_{6}$ 

+20°C

Storage Temp.

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 Na2O3S2 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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Page 1 of 1 Printed: 2024-05-02 12:51:33