

Product Datasheet

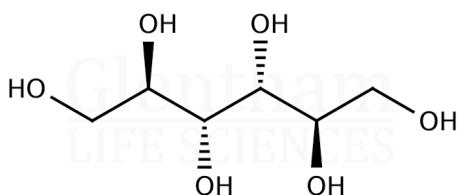
GC1282 - D-Mannitol, EP, USP grade

Product Details

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
Related Categories	Carbohydrates, Core Carbohydrates, Biochemicals, Raw Materials (IVD)

Structure

Molecular Weight	: 182.17
Molecular Formula	: C ₆ H ₁₄ O ₆



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.
Version	: v1.1

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

About D-Mannitol, EP, USP grade

No further details on record.

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