

Product Datasheet

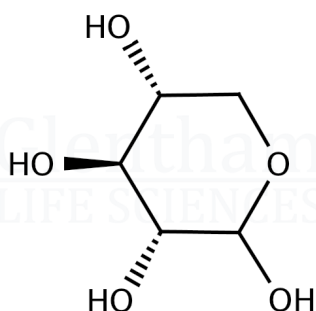
GC9897 - D-(+)-Xylose

Product Details

Product Name	D-(+)-Xylose
Glentham Code	GC9897
CAS Number	58-86-6
EINECS	200-400-7
MDL Number	MFCD00064360
PubChem SID	310281788
Related Categories	Carbohydrates, Core Carbohydrates, Biochemicals, Raw Materials (IVD)

Structure

Molecular Weight	: 150.13
Molecular Formula	: C ₅ H ₁₀ O ₅



Physical Description	: White to colourless crystalline powder
Identification	: To conform to standard
Solubility (10% in water)	: Clear, colourless solution
pH (10% in water)	: 3.0 - 6.0
Acidity or Alkalinity	: ≤ 0.2ml (of 0.1M NaOH)
Specific Optical Rotation ([α] _{20/D})	: +18.5 - +19.5 °
Chloride (Cl)	: ≤ 50ppm
Heavy Metals (as Pb)	: ≤ 10ppm
Arsenic (As)	: ≤ 1ppm
Residue on Ignition	: ≤ 0.05%
Loss on Drying	: ≤ 0.5% (105°C)
Assay	: ≥ 98.5%
Pharmacopoeia Specification(s)	: BP
Version	: v1.1

About D-(+)-Xylose

Xylose is a pentose monosaccharide. It is a major component of the plant hemicellulose Xylan, found in the cell walls of land plants. Xylose is used in the production of the sugar substitute Xylitol and as a feedstock for biofuel production.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glentham Product Specification

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