

Product Datasheet

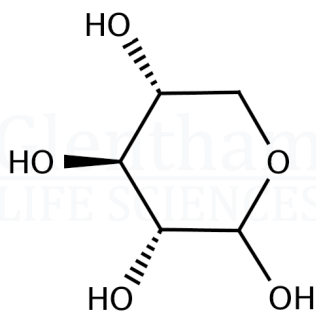
GC4822 - D-(+)-Xylose, USP grade

Product Details

Product Name	D-(+)-Xylose, USP grade
Glentham Code	GC4822
CAS Number	58-86-6
EINECS	200-400-7
MDL Number	MFCD00064360
Related Categories	Carbohydrates, Core Carbohydrates, Biochemicals, Raw Materials (IVD)

Structure

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



Identification (TLC)	: To pass test
Identification (GC)	: To pass test
Solubility (10% in water)	: Clear, colourless solution
Specific Optical Rotation	: +18.2 - +19.4 ° (c=10, 0.012N NH ₄ OH)
Loss on Drying	: ≤ 0.1%
Residue on Ignition	: ≤ 0.05%
Iron (Fe)	: ≤ 5ppm
Organic Impurities	: To pass test
Chromatographic Purity	: To pass test
Assay	: 98.0 - 102.0 % (dried basis)
Pharmacopoeia Specification(s)	: USP
Version	: v1.0

About D-(+)-Xylose, USP grade

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

Physical Description	: White crystalline powder
----------------------	----------------------------

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