

Product Datasheet

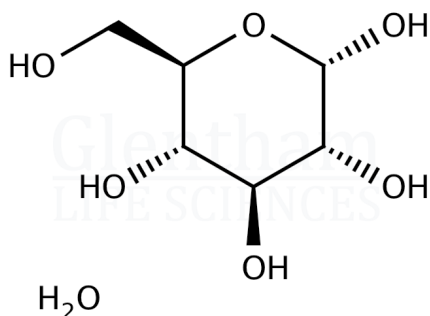
GC9110 - D-(+)-Glucose monohydrate, Ph. Eur., USP grade

Product Details

Product Name	D-(+)-Glucose monohydrate, Ph. Eur., USP grade
Glenthams Code	GC9110
CAS Number	14431-43-7
EINECS	200-075-1
MDL Number	MFCD00149450
Additional CAS	5996-10-1
Additional CAS	2280-44-6
Additional CAS	50-99-7 (anhydrous)
Additional CAS	77938-63-7
Related Categories	Carbohydrates

Structure

Molecular Weight	: 198.18
Molecular Formula	: $C_6H_{12}O_6 \cdot H_2O$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glenthams Product Specification

Physical Description	: White or almost white crystalline powder
Identification	: To pass Ph. Eur., USP tests
Colour of Solution	: To pass USP test
Conductivity	: $\leq 20\mu S/cm$ (20% in water)
Foreign Sugars, Soluble Starch, Dextrins	: To pass Ph. Eur. test
Sulphites	: $\leq 15ppm$
Dextrin	: To pass USP test
Soluble Starch, Sulfites	: To pass USP test
Sulphated Ash	: $\leq 0.1\%$
Related Substances	: $\leq 0.40\%$ (maltose + isomaltose)
Fructose	: $\leq 0.15\%$
Maltotriose	: $\leq 0.20\%$
Total Related Substances	: $\leq 0.50\%$ (Ph. Eur.)
Any Unspecified Impurity	: $\leq 0.10\%$ (Ph. Eur.)
Water (KF)	: 7.5 - 9.5 %
Assay	: 97.5 - 102.0 % (dried basis)
Pharmacopoeia Specification(s)	: Ph. Eur., USP
Appearance of Solution	: Clear solution, colour $\leq BY7$
Version	: v1.1

About D-(+)-Glucose monohydrate, Ph. Eur., USP grade

The monohydrate form of glucose, a simple monosaccharide produced by plants during photosynthesis. It is supplied as a white powder and is suitable for a range of laboratory, diagnostic and cell culture applications.

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