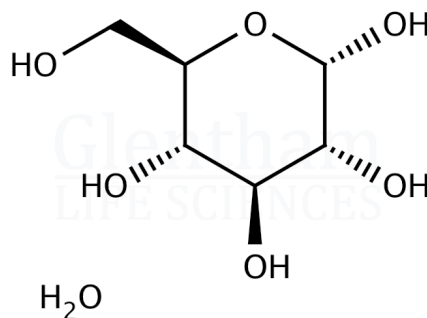


Product Specification

Product Name	D-(+)-Glucose monohydrate, Ph. Eur., USP grade
Glentham 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
Molecular Weight	198.18
Molecular Formula	$C_6H_{12}O_6 \cdot H_2O$
Storage Temp.	+20°C



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

Specification Version	-	v1.1
Date Created	-	2024-01-12

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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