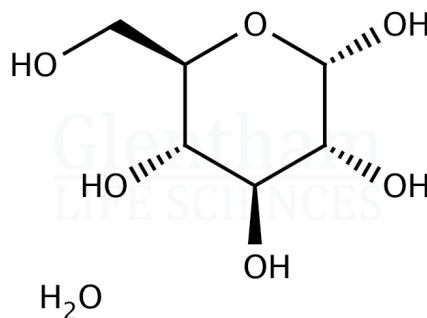


## Certificate of Analysis

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
Batch Number	398OXQ
Molecular Weight	198.18
Molecular Formula	$C_6H_{12}O_6 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 398OXQ
Physical Description	White or almost white crystalline powder	Conforms
Identification	To pass Ph. Eur., USP tests	Conforms
Appearance of Solution	Clear solution, colour ≤ BY7	Conforms
Colour of Solution	To pass USP test	Conforms
Conductivity	≤ 20μS/cm (20% in water)	3μS/cm
Foreign Sugars, Soluble Starch, Dextrins	To pass Ph. Eur. test	Conforms
Sulphites	≤ 15ppm	Conforms
Dextrin	To pass USP test	Conforms
Soluble Starch, Sulfitess	To pass USP test	Conforms
Sulphated Ash	≤ 0.1%	Conforms
Related Substances	≤ 0.40% (maltose + isomaltose)	Conforms
Fructose	≤ 0.15%	≤ 0.05%
Maltotriose	≤ 0.20%	≤ 0.05%
Total Related Substances	≤ 0.50% (Ph. Eur.)	0.1%
Any Unspecified Impurity	≤ 0.10% (Ph. Eur.)	≤ 0.05%
Water (KF)	7.5 - 9.5 %	8.8%
Assay	97.5 - 102.0 % (dried basis)	100.7%
Pharmacopoeia Specification(s)	Ph. Eur., USP	Conforms

Specification Version	v1.1
Manufacture Date	2023-06-05
Re-Test Date	2030-12-01

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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