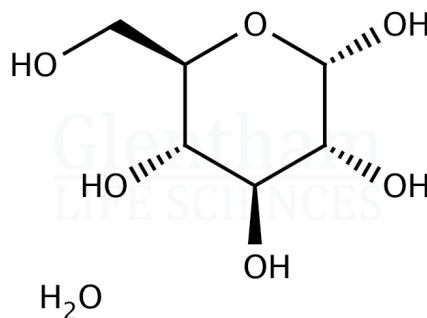


Certificate of Analysis

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
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 \leq BY7	Conforms
Colour of Solution	To pass USP test	Conforms
Conductivity	$\leq 20\mu S/cm$ (20% in water)	3 $\mu S/cm$
Foreign Sugars, Soluble Starch, Dextrins	To pass Ph. Eur. test	Conforms
Sulphites	$\leq 15ppm$	Conforms
Dextrin	To pass USP test	Conforms
Soluble Starch, Sulfitess	To pass USP test	Conforms
Sulphated Ash	$\leq 0.1\%$	Conforms
Related Substances	$\leq 0.40\%$ (maltose + isomaltose)	Conforms
Fructose	$\leq 0.15\%$	$\leq 0.05\%$
Maltotriose	$\leq 0.20\%$	$\leq 0.05\%$
Total Related Substances	$\leq 0.50\%$ (Ph. Eur.)	0.1%
Any Unspecified Impurity	$\leq 0.10\%$ (Ph. Eur.)	$\leq 0.05\%$
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

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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