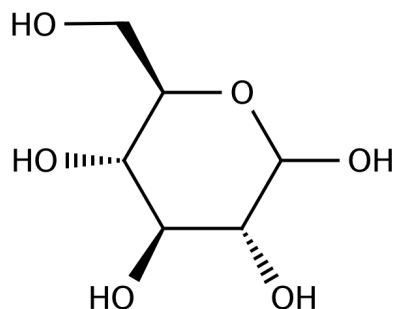


Product Specification

Product Name : D-(+)-Glucose, anhydrous, Ph. Eur.,
 USP grade
 Glentham Code : GC0103
 CAS Number : 50-99-7
 EINECS : 200-075-1
 MDL Number : MFCD00063774
 Additional CAS : 492-62-6 (α -D-)
 Additional CAS : 14431-43-7 (-H₂O)

Molecular Weight : 180.16
 Molecular Formula : C₆H₁₂O₆
 Storage Temp. : +20°C



Property	Specification
Physical Description	White crystalline powder
Identification	According to Ph. Eur., USP
Appearance of Solution	To pass Ph. Eur., USP tests
Solubility (5% in water)	Clear, colourless solution
Acidity or Alkalinity	≤ 0.15ml (of 0.1M NaOH required, Ph. Eur. test)
Acidity	≤ 0.30ml (of 0.02M NaOH required, USP test)
Specific Optical Rotation	+52.5 - +53.3 ° (Ph. Eur. test)
Specific Optical Rotation	+52.6 - +53.2 ° (USP test)
Foreign Sugars, Soluble Starch, Dextrins	To pass Ph. Eur. test
Dextrin	To pass USP test
Sulphites (as SO ₂)	≤ 15ppm
Soluble Starch, Sulphites	To pass USP test
Chloride (Cl)	≤ 125ppm
Sulphate (SO ₄)	≤ 200ppm
Arsenic (As)	≤ 1ppm
Barium (Ba)	To pass Ph. Eur. test
Calcium (Ca)	≤ 200ppm
Lead (Pb)	≤ 0.5ppm
Heavy Metals	≤ 5ppm (USP test)
Water	≤ 0.5%
Sulphated Ash	≤ 0.1%
Assay	98.0 - 102.0 % (as C ₆ H ₁₂ O ₆)

Product Specification

Pharmacopoeia Specification(s)

Ph. Eur., USP

Specification Version : v1.0

Date Created : 2018-07-28

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2018