

Product Specification

Product Name: Glucose *copoeia

(2R,3S,4R,5R)-2,3,4,5,6-Pentahydroxyhexanal

Item Nr.: 2028

MW: 180.16 g/mol

C₆H₁₂O₆

CAS Nr.: 50-99-7

E.C.Nr.:

EINECS: 200-075-1

Parameter	Method	Specification	Unit
Appearance	visual	White or almost white, crystalline powder	
Solubility	acc. to EP monogr. 0177: 66.66% in H ₂ O, heating	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Identification	TLC	one spot	
Assay		97.5 - 102.0	%
pH	1% in H ₂ O	5.0 - 7.0	
Water		<1.0	%
Conductivity		< 20.0	µS/cm
Dextrins	acc. to EP monogr. 0177	conforms	
Soluble starch, sulfites	acc. to EP monogr. 0177	< 15	ppm
Unspecified impurities		<0.1	%
Optical rotation	[α] _{20D}	+52.5 - +53.3	°
Total impurities		<0.5	%
Microbiological test		< 1000	CFU/g

Storage: Keep well closed at room temperature in a dark and dry place.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 04/23.11.2023