

Product Specification

Product Name: Sorbitol

D-Glucitol; Glucit; Hexanhexol; E420

Item Nr.: 1717

MW: 182.18 g/mol

C6H14O6

CAS Nr.: 50-70-4

E.C.Nr.:

EINECS: 200-061-5

Parameter	Method	Specification	Unit
Appearance	visual	White or almost white crystalline powder	
Solubility	10% in H ₂ O	very soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Identification	TLC	corresponds	
Assay	HPLC	97.0 - 102.0	%
pH	10% in H ₂ O; 20°C	3.5 - 7.0	
Water	KF	<1.0	%
Conductivity	20% in H ₂ O, 25°C	≤ 20	μS/cm
Lead (Pb)		≤0.5	ppm
Nickel (Ni)		≤1	ppm
Optical rotation	[α] _{20D}	+4.0 - + 7.0	°
Reducing sugars	acc. to EP monogr. 0435: as Glucose	<0.8	%
Sum of rel. subs.	HPLC	≤3.0	%
A260	20% in H ₂ O	≤ 0.05	
A280	20% in H ₂ O	≤ 0.04	

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: 02/04.03.2019