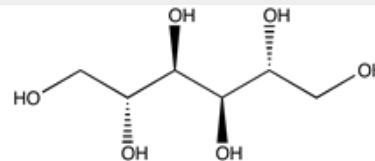


Identification

C₆H₁₄O₆
M = 182,17 g/mol
CAS [69-65-8]
EC number: 200-711-8
Taric code: 2905 43 00

**Synonyms**

Manna sugar

Applications

analytical chemistry, manufacturing of synthetic resins, for pharmaceuticals synthesizing, in food industry, for determination of: boric acid.

Specifications

assay (HPLC, referred to dried sample).....	97,0 - 102,0 %	heavy metals.....	max. 5 ppm
identity (IR-spectrum).....	passes test	nickel (Ni).....	max. 1 ppm
insoluble in water.....	max. 0,01 %	reducing sugars (as glucose).....	max. 0,1 %
acidity.....	max. 0,0008 meq/g	reducing sugars.....	passes test
conductivity (25°C; 20%, in H ₂ O).....	max. 20 µS/cm	Related substances:passes test	
specific rotation ([α] 25 °C/D, c = 10, in borax, 13 %)	+ 23,3 ° - + 24,3 °	residue on ignition.....	max. 0,01 %
melting range	165 - 170 °C	loss on drying (105 °C).....	max. 0,05 %
		loss on drying (105 °C, 4h)	max. 0,5 %

Physical data

- Appearance: powder, white
- Spec. Density: 1,49 g/cm³
- Bulk density: ~ 400 - 500 kg/m³
- Solub. in water: (25 °C): 213 g/l
- Melting point: 165-169 °C
- Boiling point: (4 hPa) 290 - 295 °C
- pH(100 g/l H₂O, 20 °C) 5 - 7

Transport/storage

- 10°C - 30°C