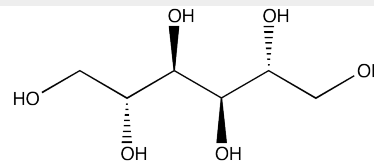


## Identification

$C_6H_{14}O_6$   
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, in pharma industry.

## Specifications

|                                                    |                      |                                   |            |
|----------------------------------------------------|----------------------|-----------------------------------|------------|
| assay (HPLC, referred to dried sample).....        | 97,0 - 102,0 %       | heavy metals.....                 | max. 5 ppm |
| identification.....                                | passes test          | nickel (Ni).....                  | max. 1 ppm |
| appearance of solution.....                        | clear and colourless | Related substances:passes test    |            |
| conductivity (25°C; 20%, in H <sub>2</sub> O)..... | max . 20 µS/cm       | reducing sugars (as glucose)..... | max. 0,1 % |
| melting range .....                                | 165 - 170 °C         | loss on drying (105 °C, 4h) ..... | max. 0,5 % |

## Physical data

- Appearance: powder, white
- Spec. Density: 1,49 g/cm<sup>3</sup>
- Bulk density: ~ 400 - 500 kg/m<sup>3</sup>
- Solub. in water: (25 °C): 213 g/l
- Melting point: 165-169 °C
- Boiling point: (4 hPa) 290 - 295 °C
- pH(100 g/l H<sub>2</sub>O, 20 °C) 5 - 7

## Transport/storage

- 10°C - 30°C