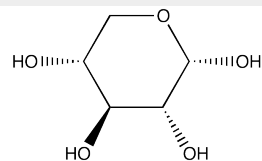


Identification

$C_5H_{10}O_5$
 M = 150,13 g/mol
 CAS [58-86-6]
 EC number: 200-400-7
 Taric code: 2940 00 00


Synonyms

Wood sugar

Applications

cosmetics, manufacture of dyes, in food industry, in pharma industry.

Specifications

identity (IR-spectrum).....	passes test	specific rotation ($[\alpha]_{20}^D$, c = 5, H ₂ O)+18,5 ° - +19,5 °
Identification TLC.....	passes test	acidity or alkalinity.....
Identification C (EP).....	passes test	chlorides (Cl).....
appearance of solution (10 %, H ₂ O).....	clear and colourless	residue on ignition.....
		loss on drying (105 °C).....

Physical data

- Appearance: crystals, colourless or white
- Bulk density: ~ 500 kg/m³
- Solub. in water: (20 °C): freely soluble
- Melting point: 154 °C
- pH(100 g/l H₂O, 20 °C) ~ 7

Transport/storage

- 15°C - 25°C