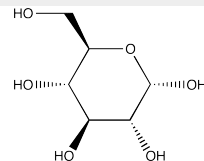


D(+)-Glucose anhydrous, for analysis, ExpertQ®, ACS, Reag. Ph Eur

Identification

C₆H₁₂O₆
M = 180,16 g/mol
CAS [50-99-7]
EC number: 200-075-1
Taric code: 1702 30 51



Synonyms

Dextrose

Applications

analytical chemistry, in biochemistry, for pharmaceuticals synthesizing, in food industry.

Specifications

assay (HPLC, on dried sample).....	97,5 - 102,0%	heavy metals (as Pb).....	max. 5 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 5 ppm
appearance of solution.....	passes test	dextrines.....	passes test
specific rotation ([α] ₂₅ ^D , c = 10, H ₂ O) + 52,5 ° - + 53,0 °		starch.....	passes test
conductivity (25 °C).....	max. 20 μS/cm	soluble starch, sulfites.....	max. 15 ppm
insoluble in water.....	max. 0,005 %	related substances	passes test
acidity.....	max. 0,002 meq/g	loss on drying (105 °C).....	max. 0,2 %
chlorides (Cl).....	max. 0,01 %	residue on ignition.....	max. 0,02 %
sulfates and sulfites (as SO ₄).....	max. 0,005 %	water (K.F.).....	max. 1,0 %

Physical data

- Bulk density: ~ 630 kg/m³
- Solub. in water: (20 °C): ~ 470 g/l
- Melting point: ~ 146 °C
- Ignition temperature: ~ 500 °C
- pH(100 g/l H₂O, 20 °C) 6 - 7

Transport/storage

- 10°C - 30°C