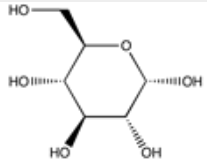
GL0127

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

Identification

$C_6H_{12}O_6$
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, H2O)	+ 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 ºC)	max. 0,2 %
chlorides (Cl)	max. 0,01 %	residue on ignition	max. 0,02 %
sulfates and sulfites (as SO4)	max. 0,005 %	water (K.F.)	max. 1,0 %

Physical data

- Bulk density: ~ 630 kg/m^3
- Solub. in water: (20 ºC): ~ 470 g/l
- Melting point: ~ 146 ºC
- Ignition temperature: ~ 500 ºC
- pH(100 g/l H_2O, 20 ºC) 6 - 7

Transport/storage

- 10°C - 30°C