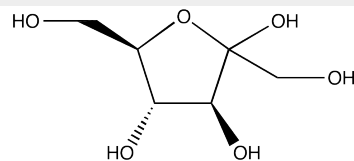


D(-)-Fructose, Pharmpur®, Ph Eur, BP, USP

Identification

C₆H₁₂O₆
M = 180,16 g/mol
CAS [57-48-7]
EC number: 200-333-3
Taric code: 1702 50 00



Synonyms

Levulose, Laevulose

Applications

analytical chemistry, in food industry, synthesis of organic products, nutrient media for bacterial culture, in pharma industry.

Specifications

assay (on dried sample).....	98,0 - 102,0 %	chlorides (Cl).....	max. 0,018 %
Identification IR.....	passes test	sulfates (SO ₄).....	max. 0,025 %
Identification TLC.....	passes test	arsenic (As).....	max. 1 ppm
Identification B (EP).....	passes test	calcium and magnesium (as Ca).....	max. 0,005 %
Identification C (EP).....	passes test	foreign sugars.....	passes test
Identification D (EP).....	passes test	5-Hydroxymethylfurfural and related substances	max. 0,32 AU
appearance of solution.....	passes test	limit of hydroxymethylfurfural.....	passes test
colour of solution.....	passes test	color of solution.....	passes test
acidity or alkalinity.....	passes test	residue on ignition.....	max. 0,1 %
acidity.....	passes test	water (K.F.).....	max. 0,5 %
specific rotation ([α] 20°/D, c = 10, H ₂ O).....	- 93,5 ° - - 91,0 °	loss on drying	max. 0,5 %

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: ~ 1,65 g/cm³
- Bulk density: ~ 700 - 800 kg/m³
- Solub. in water: (20 °C): 500 g/l
- Melting point: 100 - 110 °C (decomposes)
- pH(100 g/l H₂O, 20 °C) ~ 5 - 6

Transport/storage

- 15°C - 25°C