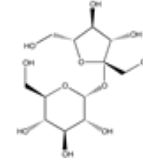


Identification

C₁₂H₂₂O₁₁
M = 342,30 g/mol
CAS [57-50-1]
EC number: 200-334-9
Taric code: 1701 99 10

**Synonyms**

Cane sugar, Sucrose

Applications

analytical chemistry, for determination of proteins, in food industry, for pharmaceuticals synthesizing, synthesis of organic products, in biochemistry, nutrient media for bacterial culture, in pharma industry.

Specifications

Identification IR.....	passes test	conductivity (20°C).....	max. 35 µS·cm ⁻¹
Identification TLC.....	passes test	specific rotation ([α] ₂₀ [°] / D; c=260, H ₂ O).....	+ 66,3 ° - + 67,0 °
Identification C (EP).....	passes test	sulfite.....	passes test
appearance of solution	passes test	sulfites (as SO ₂).....	max. 10 ppm
colour value.....	max. 45	reducing sugars.....	passes test
		loss on drying (105 °C, 3 h).....	max. 0,1 %

Physical data

- Appearance: bright crystals, colourless
- Bulk density: ~ 800 - 950 kg/m³
- Solub. in water: (20 °C): freely soluble
- Melting point: 169 - 170 °C
- pH(100 g/l H₂O, 20 °C) ~ 7

Transport/storage

- 10°C - 30°C