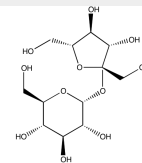


Identification

$C_{12}H_{22}O_{11}$
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.

Specifications

identity (IR-spectrum).....	passes test	colour value.....	max. 45
appearance of solution	clear	reducing sugars.....	passes test
conductivity (20°C).....	max. 35 $\mu S \cdot cm^{-1}$	sulfites (as SO ₂).....	max. 10 ppm
specific rotation ($[a]_{20}^D$; c=260, H ₂ O).....	+ 66,3 ° - + 67,0 °	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