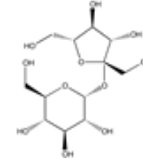


Identification

$C_{12}H_{22}O_{11}$
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	(50 %) in a 1 cm cell at 280 nm.....	max. 0,15 AU
specific rotation ($[\alpha]_{20}^{\circ}$ / D; c = 26, H ₂ O).....	+ 66,2 ° - + 66,8 °	heavy metals (as Pb).....	max 0,001 %
absorbance of an aqueous solution (50 %) in a 1 cm cell at 260 nm.....	max. 0,20 AU	reducing sugars.....	max. 0,5 %
absorbance of an aqueous solution		TLC test.....	passes test
		residue on ignition.....	max. 0,02 %
		DNases, RNases, Proteases	non detected

Physical data

- 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