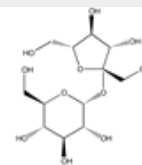


D(+)-Saccharose, for analysis, ExpertQ®, Reag. Ph Eur**Identification**

$C_{12}H_{22}O_{11}$
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 $\mu\text{S}\cdot\text{cm}^{-1}$	sulfites (as SO_2).....	max. 10 ppm
specific rotation ($[\alpha]_{20}^{\circ}/\text{D}$; $c=260$, H_2O).....	+ 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/m^3
- Solub. in water: (20 °C): freely soluble
- Melting point: 169 - 170 °C
- pH(100 g/l H_2O , 20 °C) ~ 7

Transport/storage

- 10°C - 30°C