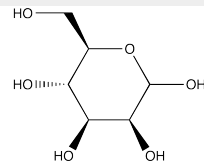


D(+)-Mannose, for biochemistry

Identification

$C_6H_{12}O_6$
M = 180,16 g/mol
CAS [3458-28-4]
EC number: 222-392-4
Taric code: 2940 00 00



Applications

analytical chemistry, in biochemistry, in food industry, synthesis of organic products.

Specifications

assay (HPLC).....min. 98 %
identity (IR-spectrum).....passes test

specific rotation ($[\alpha]_{20}^{D}$, c = 5, H₂O)+13,8 ° - +14,4 °
heavy metals (as Pb).....max. 0,001 %
water (K.F.).....max. 0,5 %

Physical data

- Appearance: floury powder, white
- Spec. Density: 1,54 g/cm³
- Bulk density: ~ 100 kg/m³
- Solub. in water: (20 °C): freely soluble
- Melting point: 133 °C
- pH(50g/l H₂O, 20 °C) ~ 7

Transport/storage

- 10°C - 30°C