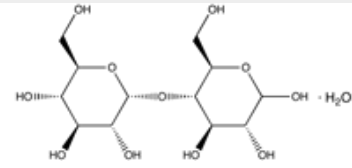


Maltose monohydrate, for microbiology**Identification**

$C_{12}H_{22}O_{11} \cdot H_2O$
M = 360,32 g/mol
CAS [6363-53-7]
EC number: 200-716-5
Taric code: 1702 90 10

**Synonyms**

Maltobiose, 4-O- α -D-Glucopyranosyl-D-glucose

Specifications

Assay (HPLC, referred
to dried sample)..... min. 92 %
appearance of solutionpasses test
pH (10 %, H₂O)..... 4,0 - 6,5

heavy metals.....max. 0,002 %
glucosemax. 3,0 %
residue on ignition.....max. 0,1 %
water (K.F.)..... 4,5 - 7,0 %

Physical data

- Appearance: crystalline powder, white
- Bulk density: ~ 320 kg/m³
- Solub. in water: (20 °C): 1080 g/l
- Melting point: 160 - 165 °C
- pH(50 g/l H₂O, 20 °C) 4,5 - 6,0

Transport/storage

- 15°C - 25°C