

Magnesium sulfate heptahydrate, molecular biology grade**Identification**

MgSO₄·7H₂O
M = 246,48 g/mol
CAS [10034-99-8]
EC number: 231-298-2
Taric code: 2833 21 00

Synonyms

Bitter salt, Epsom salt, Sulfuric acid magnesium salt heptahydrate

Applications

analytical chemistry, manufacture of dyes, in fertilizer compositions, in explosive compositions, cosmetics.

Specifications

assay (complexometric).....	min. 99,5 %	heavy metals (as Pb).....	max. 5 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 5 ppm
pH (5 %, H ₂ O).....	5,0 - 8,0	DNases, RNases, Proteases	passes test

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 1,68 g/cm³
- Bulk density: ~ 900 kg/m³
- Solub. in water: (20 °C): 710 g/l
- pH(50 g/l H₂O, 20 °C) 5,0 - 8,2

Transport/storage

- 5°C - 30°C