

IdentificationMgCl₂·6H₂O

M = 203,30 g/mol

CAS [7791-18-6]

EC number: 232-094-6

Taric code: 2827 31 00

Applications

analytical chemistry, laboratory reagent, disinfectant. Extinguishant, in pharma industry.

Specifications

assay (complexometric).....	98,0 - 101,0 %	bromides (Br).....	max. 500 ppm
Identification magnesium.....	passes test	sulfates (SO ₄).....	max. 0,005 %
Identification chloride.....	passes test	arsenic (As).....	max. 2 ppm
appearance of solution (10 %, H ₂ O).....	clear and colourless	barium (Ba).....	passes test
pH	4,5 - 7,0	calcium (Ca).....	max. 0,01 %
insoluble matter.....	max. 0,005 %	iron (Fe).....	max. 10 ppm
acidity or alkalinity.....	passes test	potassium (K).....	passes test
		water	51,0 - 55,0 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: ~ 1,57 g/cm³
- Solub. in water: (20 °C): 1670 g/l
- Melting point: ~ 117 °C (decomposes)
- pH(50 g/l H₂O, 20 °C) 5,0 - 6,5

Transport/storage

- 10°C - 30°C