

**Magnesium chloride hexahydrate, for analysis, ExpertQ®, ACS, ISO,
Reag. Ph Eur****Identification**

MgCl₂·6H₂O
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.

Specifications

assay (complexometric).....	99,0 - 101,0 %
identity.....	passes test
appearance of solution.....	passes test
insoluble in water.....	max. 0,005 %
pH (5 %, H ₂ O).....	5,0 - 6,5
total nitrogen (as N).....	max. 0,0002 %
acidity or alkalinity.....	passes test
bromides (Br).....	max. 0,05 %
nitrates (NO ₃).....	max. 0,001 %
phosphates (as PO ₄).....	max. 0,0005 %
sulfates (SO ₄).....	max. 0,002 %
aluminium (Al).....	max. 0,0002 %

ammonium (NH ₄).....	max. 0,002 %
arsenic (As).....	max. 0,0002 %
barium (Ba).....	max. 0,002 %
calcium (Ca).....	max. 0,003 %
copper (Cu).....	max. 0,0005 %
heavy metals (as Pb).....	max. 0,0005 %
iron (Fe).....	max. 0,0005 %
lead (Pb).....	max. 0,0005 %
manganese (Mn).....	max. 0,0005 %
potassium (K).....	max. 0,001 %
sodium (Na).....	max. 0,001 %
strontium (Sr)	max. 0,005 %
zinc (Zn).....	max. 0,001 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: ~ 1,57 g/cm³
- Solut. 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