



**PRODUCT CODE: 131396**

**Magnesium Chloride 6-hydrate (Reag. USP) for analysis, ACS, ISO**

---

$\text{Cl}_2\text{Mg}\cdot 6\text{H}_2\text{O}$

$\text{MgCl}_2\cdot 6\text{H}_2\text{O}$

M.= 203,30

CAS [7791-18-6]

EINECS 232-094-6

TARIC 2827 31 00 00

**PHYSICAL DATA:** Small crystals, White, Soluble in water 1.670 g/l at 20 °C Thermal decom. above 117 °C • D 20/4 1,57 • M.P.: 117 °C • pH5,0 - 6,5 •

**BIBLIOGRAPHY:** Merck Index **13**, 5.684 Sax **MAE500** • Römp **8**, **2453** • Fieser **10251** • ACS **XI** • ISO 6353/2-1983R - 16 , 22 • BP.**2021** 2021 • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **11 12** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 DAB 10 •

---

**HAZARDOUS:** RTECS: OM 2975000 • LD50 oral rat 8.100 mg/kg • LD50 ipr mus 775 mg/kg

---

**SPECIFICATIONS:**

Assay (Compl.) 99,0-102,0%

pH of 5% solution 5,0-6,5

**Maximum limit of impurities**

Insoluble matter in H<sub>2</sub>O 0,005 %

Nitrogen compounds (as N) 0,002%

Ammonium (NH<sub>4</sub>) 0,002%

Phosphate (PO<sub>4</sub>) 0,0005 %

Sulfate (SO<sub>4</sub>) 0,002%

Nitrate (NO<sub>3</sub>) 0,001%

As 0,00005 %

Heavy Metals (ICP-OES) 0,0005 %

**Metals by ICP [in mg/Kg (ppm)]**

Ag	5
Au	5
Ba	20
Be	5
Bi	5
Ca	100
Cd	5
Co	5
Cr	5
Cu	5
Fe	5
Ga	5
Ge	5
Hg	5
In	5
K	50
Mn	5
Mo	5
Na	50
Ni	5
Pb	5
Si	5
Sr	50
Ti	5
Tl	5
V	5
Zn	10
Zr	5