

**PRODUCT CODE: 191396****Magnesium Chloride 6-hydrate (USP, BP, Ph. Eur.) pharma grade**

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

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** • Römpp **8**, **2453** • Fieser **10251** • ACS **XI** • ISO 6353/2-1983R - 16, 22 • BP.**2018** 2018 • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • 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.)	98,0-101,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 5% solution	4,5-7,0

Maximum limit of impurities

Appearance of solution	passes test
Acidity or alkalinity	passes test
Insoluble matter in H2O	0,005 %
Bromide (Br)	0,05%
Sulfate (SO4)	0,005%
Residual solvents (Ph.Eur/USP)	passes test

Water (H2O)	51,0-55,0 %
Heavy metals (as Pb)	0,001%
Al	0,0001 %
As	0,00015 %
Ba	passes test
Ca	0,01 %
K	0,05 %
Fe	0,001 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm