

**PRODUCT CODE: 631396****Magnesium Chloride 6-hydrate (Ph. Eur., BP) GMP - IPEC 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

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**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.**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:	
Identity Magnesium	passes test
Identity Chloride	passes test

**Maximum limit of impurities**

Appearance of solution	passes test
Appearance Clear < formazin I	passes test
Appearance Colourless	passes test
Acidity or alkalinity ( < 0.3 ml HCl or NaOH 0.01N)	passes test
Bromide (Br)	0,05 %

Sulfate (SO <sub>4</sub> )	0,01%
Residual solvents (Ph.Eur.)	passes test
Water (H <sub>2</sub> O)	51,0 - 55,0 %
Heavy metals (as Pb)	0,001%
As	0,00015%
Ca	0,1 %
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