

**PRODUCT CODE: 141396****Magnesium Chloride 6-hydrate (BP, Ph. Eur.) pure, pharma grade**

Cl₂Mg.6H₂OMgCl₂.6H₂O

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** · Rmp **8**, **2453** · Fieser **10251** · ACS **XI** · ISO 6353/2-1983R - 16 , 22 · BP.**2020** 2020 · 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.)	98,0-101,0%
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Appearance of solution	passes test
Acidity or alkalinity	passes test
Ammonium (NH ₄)	0,005%
Bromide (Br)	0,05%
Phosphate (PO ₄)	0,003 %
Sulfate (SO ₄)	0,01%
Residual solvents (Ph.Eur.)	passes test
Water (H ₂ O)	51,0-55,0 %

Al	0,0001 %
Ca	0,1 %
Fe	0,001 %
K	0,0500 %

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