



PRODUCT CODE: 131404

Magnesium Sulfate 7-hydrate for analysis, ACS

MgO₄S.7H₂O

MgSO₄.7H₂O

M.= 246,48

CAS [10034-99-8]

EINECS 231-298-2

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SYNONYMS: Epsom Salt•

PHYSICAL DATA: Small crystals, White, Soluble in water 710 g/l at 20 °C Thermal decom. above 150 °C • D 1,67 • pH5,5 - 6,5 •

BIBLIOGRAPHY: Merck Index **12**, 5.731 13, 5.715 Römp **8** , **2457** • Fieser **1634 5421** • ACS **X416IX396** • BP. **2014** • USP **38** • Ph. Eur. **7.0** (2013) **8.0** (2014) • F.C.C **8 9** •

HAZARDOUS: RTECS: OM 4500000 • LD L0 oral mus 5.000 mg/kg •

SPECIFICATIONS:

Assay (Compl.)	99,5-102,0%
Identity :	
Identity	passes test
pH of 5% solution	5,0-7,0

Maximum limit of impurities

Insoluble matter in H ₂ O	0,005 %
Chloride (Cl)	0,0005%
Ammonium (NH ₄)	0,002%
Phosphate (PO ₄)	0,001 %
Nitrate (NO ₃)	0,001%
As	0,00005 %
Heavy metals (as Pb)	0,0005%

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

Ag	5
Al	5
Au	5
B	5
Be	5
Bi	5
Ca	40
Cd	5
Co	5

Cr	5
Cu	5
Fe	5
Ga	5
Ge	5
In	5
K	50
Li	5
Mn	1
Mo	5
Na	50
Ni	5
Pb	5
Sb	5
Se	5
Si	5
Sn	5
Sr	50
Ti	5
Zn	5
Zr	5