



PRODUCT CODE: 131402

Magnesium Nitrate 6-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

$\text{MgN}_2\text{O}_6 \cdot 6\text{H}_2\text{O}$

$\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$

M.= 256,41

CAS [13446-18-9]

EINECS 233-826-7

TARIC 2834 29 80 00

PHYSICAL DATA: crystals, White, Soluble in water 420 g/l at 20 °C Thermal decomp. above 90 °C • D 1,636 • M.P.: 90 °C • pH(50 g/l)5 •

BIBLIOGRAPHY: Merck Index **13**, 5.697 Safety **2**, **2180 B** • Römp **8**, **2455** • ACS **XI** • BRETH: 1272 •

HAZARDOUS: RTECS: OM 3756000 • LD50 oral rat 5.440 mg/kg •



H: H272 •

P: P210 • P220 • P221 • P280 • P370+P378 •

TRANSPORT REGULATIONS: UN: 1474 • ADR: 5.1/III • IMDG: 5.1/III • IATA: 5.1/III • PAX: 559 • CAO: 563 • (E) •

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%

pH of 5% solution 5,0-8,2

Maximum limit of impurities

Acidity(as HNO_3) 0,005%

Alkalinity 0,001 %

Insoluble matter in H_2O 0,003 %

Chloride (Cl)	0,001%
Ammonium (NH ₄)	0,003%
Phosphate (PO ₄)	0,0005 %
Sulfate (SO ₄)	0,002%

As	0,0001 %
Heavy Metals (ICP-OES)	0,0005 %

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

Ag	5
Al	5
Ba	20
Be	5
Ca	100
Co	5
Cr	5
Cu	5
Fe	2
Ga	10
Ge	5
K	50
Mn	5
Mo	5
Na	50
Ni	5
Pb	5
Sb	5
Si	5
Sr	20
Ti	5