

MAGNESIUM

MA0025 Magnesium, turnings, EssentQ®, according to Grignard



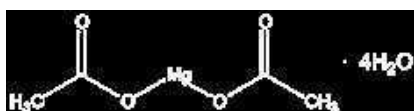
- Mg
- M = 24,31 g/mol
- CAS [7439-95-4]
- EINECS-No.: 231-104-6
- Solub. in water: (20 °C): insoluble
- Melting point: 651 °C
- Boiling point: 1107 °C
- Flash pt. 500 °C
- EC-Index-No.: 012-002-00-9
- ADR: 4.1 F3 III UN 1869

- IMDG: 4.1 III UN 1869
- IATA/ICAO: 4.1 III UN 1869
- GHS-signal word: Danger
- GHS-H sentences: H261
- GHS-P sentences: P231 + P232 - P280 - P233 - P402 + P404 - P501a
- Tariff number: 8104 90 00 90
- Appearance: Silvery solid

assay (complexometric) min. 99,5 %
insoluble in HCl max. 0,01 %
iron (Fe) max. 0,05 %

ART. NO.	VOLUME	CONTAINER
MA00250100	100 g	Ⓟ
MA00250250	250 g	Ⓟ
MA00251000	1 kg	Ⓟ

MAGNESIUM ACETATE TETRAHYDRATE



- Synonyms: Acetic acid magnesium salt tetrahydrate
- $Mg(CH_3COO)_2 \cdot 4H_2O$
- M = 214,46 g/mol
- CAS [16674-78-5]
- EINECS-No.: 205-554-9
- Solub. in water: (20 °C): soluble
- Melting point: 80 °C
- Tariff number: 2915 29 00 90

- Applications: analytical chemistry, in food industry.

MA0027 Magnesium acetate tetrahydrate, extra pure, Pharmpur®, Ph Eur, BP

assay (complexometric, on dried sample) 98,0 - 101,0 %
identification passes test
pH (5 %, H₂O) 7,5 - 8,5
chlorides (Cl) max. 330 ppm
nitrates (NO₃) max. 3 ppm
sulfates (SO₄) max. 600 ppm
aluminium (Al) max. 1 ppm
calcium (Ca) max. 100 ppm

potassium (K) max. 0,1 %
sodium (Na) max. 0,5 %
readily oxidisable substances passes test
water (K.F.) 33,0 - 35,0 %
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
MA00270500	500 g	Ⓟ
MA00271000	1 kg	Ⓟ

MA0028 Magnesium acetate tetrahydrate, ExpertQ®, for analysis, ACS

assay (complexometric) 99,5 - 102,0 %
identity (IR-spectrum) passes test
insoluble in water max. 0,005 %
chlorides (Cl) max. 0,001 %
sulfates (SO₄) max. 0,001 %
barium (Ba) max. 0,001 %
calcium (Ca) max. 0,001 %
copper (Cu) max. 5 ppm

heavy metals (as Pb) max. 5 ppm
iron (Fe) max. 1 ppm
manganese (Mn) max. 0,001 %
potassium (K) max. 0,005 %
sodium (Na) max. 0,001 %
strontium (Sr) max. 0,005 %
zinc (Zn) max. 2 ppm

ART. NO.	VOLUME	CONTAINER
MA00280500	500 g	Ⓟ
MA00281000	1 kg	Ⓟ

MAGNESIUM CHLORIDE HEXAHYDRATE

- $MgCl_2 \cdot 6H_2O$
- M = 203,30 g/mol
- CAS [7791-18-6]
- EINECS-No.: 232-094-6

- Solub. in water: (20 °C): 1670 g/l
- Melting point: ~ 117 °C (decomposes)
- LD 50 (oral, rat): 8100 mg/kg
- Tariff number: 2827 31 00 00

- Applications: analytical chemistry, laboratory reagent, disinfectant. Extinguishant.

MA0035 Magnesium chloride hexahydrate, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (complexometric) 98,0 - 101,0 %
identification passes test
appearance of solution (10 %, H₂O) clear and colourless
pH (5 %, H₂O) 4,5 - 7,0
insoluble in water max. 0,005 %
bromides (Br) max. 500 ppm
sulfates (SO₄) max. 0,005 %
arsenic (As) max. 2 ppm

barium (Ba) passes test
calcium (Ca) max. 0,01 %
iron (Fe) max. 10 ppm
potassium (K) passes test
water 51,0 - 55,0 %
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
MA00350250	250 g	Ⓟ
MA00350500	500 g	Ⓟ
MA00351000	1 kg	Ⓟ
MA0035005P	5 kg	Ⓟ
MA0035025P	25 kg	Ⓟ