

## MAGNESIUM OXIDE

MA0060 Magnesium oxide, extra pure, Pharmapur®, Ph Eur, BP, USP

- Synonyms: Magnesia usta
- MgO
- M = 40,30 g/mol
- CAS [1309-48-4]
- EINECS-No.: 215-171-9
- Solub. in water: (20 °C): insoluble
- Melting point: ~ 2800 °C
- Boiling point: 3600 °C
- Tariff number: 2519 90 10 00
- Applications: in the ceramics industry, in optics, in building materials, in pharma industry.

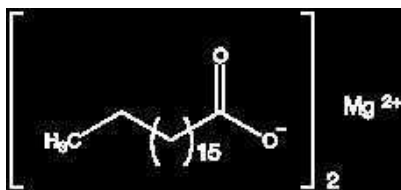
assay (complexometric, on ignited substance) . . . . . 98,0 - 100,5 %  
 appearance of solution . . . . . passes test  
 insoluble in CH<sub>3</sub>COOH. . . . . max. 0,1 %  
 acid-insoluble matter . . . . . max. 0,1 %  
 free alkali and soluble salts . . . . . max. 2,0 %  
 chlorides (Cl) . . . . . max. 0,15 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 1,0 %  
 arsenic (As) . . . . . max. 4 ppm  
 calcium (Ca) . . . . . max. 1,1 %  
 iron (Fe) . . . . . max. 0,1 %  
 residue on ignition (900 °C) . . . . . max. 8,0 %

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
MA00600250	250 g	Ⓟ
MA00600500	500 g	Ⓟ
MA00601000	1 kg	Ⓟ
MA0060005P	5 kg	Ⓟ

## MAGNESIUM STEARATE

MA0040 Magnesium stearate, extra pure, Pharmapur®, Ph Eur, BP, NF



- Synonyms: Stearic acid magnesium salt
- C<sub>36</sub>H<sub>70</sub>MgO<sub>4</sub>
- M = 591,27 g/mol
- CAS [557-04-0]
- EINECS-No.: 209-150-3
- Solub. in water: (20 °C): insoluble
- Tariff number: 2915 70 30 00
- Applications: in the pharmaceuticals industry, desiccant (painting), emulsifier, in pharma industry.

assay of Mg (referred to dried sample) . . . . . 4,0 - 5,0 %  
 stearic acid (G.C.) . . . . . min. 40,0 %  
 sum of stearic acid and palmitic acidmin. . . . . 90,0 %  
 identification . . . . . passes test  
 acidity or alkalinity . . . . . passes test  
 chlorides (Cl) . . . . . max. 0,1 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 1,0 %  
 cadmium (Cd) . . . . . max. 3 ppm  
 lead (Pb) . . . . . max. 10 ppm  
 nickel (Ni) . . . . . max. 5 ppm  
 loss on drying (105 °C) . . . . . max. 6,0 %  
 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
MA00401000	1 kg	Ⓟ

## MAGNESIUM SULFATE ANHYDROUS

- MgSO<sub>4</sub>
- M = 120,37 g/mol
- CAS [7487-88-9]
- EINECS-No.: 231-298-2

- Solub. in water: (20 °C): 269 g/l
- Melting point: 1124 °C
- Tariff number: 2833 21 00 00

- Applications: analytical chemistry, manufacture of dyes, in fertilizer compositions, in explosive compositions, cosmetics, desiccant.

MA0080 Magnesium sulfate anhydrous, EssentQ®

assay (complexometric) . . . . . min. 98 %  
 calcium sulfate (CaSO<sub>4</sub>) . . . . . max. 0,5 %  
 potassium chloride (KCl) . . . . . max. 0,1 %  
 potassium sulfate (K<sub>2</sub>SO<sub>4</sub>) . . . . . max. 0,6 %  
 sodium chloride (NaCl) . . . . . max. 0,1 %

iron (Fe) . . . . . max. 0,01 %  
 manganese (Mn) . . . . . max. 0,1 %  
 loss on ignition (600 °C) . . . . . max. 1 %

ART. NO.	VOLUME	CONTAINER
MA00801000	1 kg	Ⓟ
MA0080005P	5 kg	Ⓟ
MA0080025P	25 kg	Ⓟ

MA0081 Magnesium sulfate anhydrous, suitable for QuEChERS

assay (complexometric) . . . . . min. 98 %  
 calcium sulfate (CaSO<sub>4</sub>) . . . . . max. 0,5 %  
 potassium chloride (KCl) . . . . . max. 0,1 %  
 potassium sulfate (K<sub>2</sub>SO<sub>4</sub>) . . . . . max. 0,6 %

sodium chloride (NaCl) . . . . . max. 0,1 %  
 iron (Fe) . . . . . max. 0,01 %  
 manganese (Mn) . . . . . max. 0,1 %  
 loss on ignition (600 °C) . . . . . max. 1 %

ART. NO.	VOLUME	CONTAINER
MA0081025P	25 kg	Ⓟ

## MAGNESIUM SULFATE HEPTAHYDRATE

- Synonyms: Bitter salt, Epsom salt, Sulfuric acid magnesium salt heptahydrate
- MgSO<sub>4</sub>·7H<sub>2</sub>O
- M = 246,48 g/mol

- CAS [10034-99-8]
- EINECS-No.: 231-298-2
- Solub. in water: (20 °C): 710 g/l
- Tariff number: 2833 21 00 00

- Applications: analytical chemistry, manufacture of dyes, in fertilizer compositions, in explosive compositions, cosmetics.