

MA0084 Magnesium sulfate heptahydrate, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (complexometric, referred to dried sample) 99,0 - 100,5 %
 assay (complexometric, on ignited substance) 99,0 - 100,5 %
 identification passes test
 appearance of solution clear and colourless
 pH (5 %, H₂O) 5,0 - 9,2
 acidity or alkalinity passes test
 chlorides (Cl) max. 0,014 %

arsenic (As) max. 2 ppm
 iron (Fe) max. 20 ppm
 selenium (Se) max. 30 ppm
 loss on drying 48,0 - 52,0 %
 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
MA00840500	500 g	Ⓟ
MA00841000	1 kg	Ⓟ
MA0084005P	5 kg	Ⓟ
MA0084025P	25 kg	Ⓟ

MA0085 Magnesium sulfate heptahydrate, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (complexometric, referred to dried sample) 99,0 - 100,5 %
 assay (complexometric) 98,0 - 102,0 %
 identity (IR-spectrum) passes test
 appearance of solution clear and colourless
 insoluble in water max. 0,005 %
 pH (5 %, H₂O) 5,0 - 8,2
 acidity or alkalinity passes test
 chlorides (Cl) max. 3 ppm
 nitrates (NO₃) max. 0,002 %
 ammonium (NH₄) max. 0,002 %

arsenic (As) max. 2 ppm
 calcium (Ca) max. 0,005 %
 copper (Cu) max. 1 ppm
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 1 ppm
 lead (Pb) max. 1 ppm
 manganese (Mn) max. 5 ppm
 potassium (K) max. 0,001 %
 sodium (Na) max. 0,001 %
 strontium (Sr) max. 0,005 %
 loss on drying 48,0 - 52,0 %

ART. NO.	VOLUME	CONTAINER
MA00850500	500 g	Ⓟ
MA00851000	1 kg	Ⓟ
MA0085005P	5 kg	Ⓟ
MA0085025P	25 kg	Ⓟ

MA0086 Magnesium sulfate heptahydrate, molecular biology grade

assay (complexometric) min. 99,5 %
 identity (IR-spectrum) passes test
 pH (5 %, H₂O) 5,0 - 8,0
 heavy metals (as Pb) max. 5 ppm

iron (Fe) max. 5 ppm
 DNases, RNases, Proteases passes test

ART. NO.	VOLUME	CONTAINER
MA00860100	100 g	Ⓟ
MA00860500	500 g	Ⓟ

MAGNESIUM SULFATE, VOLUMETRIC SOLUTIONS

MA0087 Magnesium sulfate, solution 0,01 mol/l

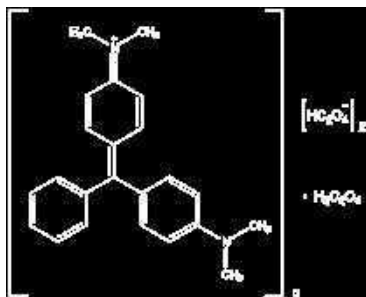
- MgSO₄
- M = 120,37 g/mol
- CAS [7487-88-9]
- EINECS-No.: 231-298-2
- Density: ~ 1 g/cm³
- Tariff number: 2833 21 00 00
- Applications: analytical chemistry.

factor 0,999 - 1,001
 uncertainty ± 0,001
 1 ml = 0,0012037 g MgSO₄
 This volumetric solution was checked by means of potentiometric methods using an EDTA disodium salt standard solution, that was also checked against Scharlab's calcium carbonate volumetric standard. Scharlab's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
MA00871000	1 l	Ⓟ

MALACHITE GREEN OXALATE, C.I. 42000

VE0100 Malachite green oxalate, C.I. 42000, reagent and microscopy grade



- Synonyms: Diamond green B
- C₂₀H₂₀N₂O₄ · H₂C₂O₄
- M = 927,02 g/mol
- CAS [2437-29-8]
- EINECS-No.: 219-441-7
- Solub. in water: (24 °C): 110 g/l
- Melting point: ~ 159 °C
- EC-Index-No.: 607-007-00-3
- ADR: 6.1 T2 III UN 2811
- IMDG: 6.1 III UN 2811
- IATA/ICAO: 6.1 III UN 2811
- GHS-signal word: Danger
- GHS-H sentences: H302 - H318 - H318d - H410 -
- GHS-P sentences: P280 - P281 - P305 + P351 + P338 - P310 - P405 - P501a
- Tariff number: 3204 13 00 90
- Applications: analytical chemistry, for microbiology, microscopy.
- Appearance: Green powder

identity passes test
 Absorption maximum λ (in H₂O) 616 - 620 nm
 Absorptivity (A1%/1 cm; λ max; 0,003 g/λ, H₂O) 1730 - 1960
 loss on drying (110 °C) max. 7 %
 TLC test passes test

ART. NO.	VOLUME	CONTAINER
VE01000025	25 g	Ⓟ
VE01000100	100 g	Ⓟ
VE01001000	1 kg	Ⓟ