

Art. No.	Pack Qty.	Pack.
2789.1	100 g	plastic
2789.2	500 g	plastic
2789.3	1 kg	plastic
2789.4	2.5 kg	plastic

### Magnesium chloride

MgCl<sub>2</sub> · D 2,316 g/cm<sup>3</sup> · mp 708 to 712 °C · bp 1412 °C  
M 95,22 g/mol  
CAS No. 7786-30-3 · EC no. 232-094-6  
WGK 1

### Magnesium chloride ≥99 %, anhydrous

#### Type analysis

Assay (dry substance) .....	≥99,0 %
Water .....	≤2,0 %
NaCl .....	≤0,01 %
CaCl <sub>2</sub> .....	≤0,05 %
Fe (Iron) .....	≤0,001 %
Aluminium (Al) .....	≤0,001 %

Art. No.	Pack Qty.	Pack.
KK36.1	100 g	plastic
KK36.2	500 g	plastic
KK36.3	1 kg	plastic

### Magnesium chloride hexahydrate

MgCl<sub>2</sub> · 6 H<sub>2</sub>O · D 1,57 g/cm<sup>3</sup> · mp >100 °C  
M 203,3 g/mol  
CAS No. 7791-18-6 · EC no. 232-094-6  
WGK 1

### Magnesium chloride hexahydrate ROTI®METIC 99,999 % (5N)

#### Type analysis

Assay (metals basis) .....	99,999 %
Chemical analysis (ICP, AAS): up to 60 specified trace metal impurities in ppm range.	

Art. No.	Pack Qty.	Pack.
5347.1	25 g	plastic
5347.2	100 g	plastic

### Magnesium chloride hexahydrate ≥99 %, p.a., ACS

Reagent for the detection of phosphate, molecular biology.

#### Guarantee analysis

Assay (compl.) .....	≥99,0 %
pH value (5 % in water) .....	5,0-6,5
In H <sub>2</sub> O insoluble matter .....	≤0,005 %
Total nitrogen (as N) .....	≤0,002 %
Phosphate (PO <sub>4</sub> ) .....	≤0,0005 %
Nitrate (NO <sub>3</sub> ) .....	≤0,001 %
Sulphate (SO <sub>4</sub> ) .....	≤0,002 %
Ammonium (NH <sub>4</sub> ) .....	≤0,002 %
Barium (Ba) .....	≤0,005 %
Lead (Pb) .....	≤0,0005 %
Cadmium (Cd) .....	≤0,0005 %
Calcium (Ca) .....	≤0,01 %
Iron (Fe) .....	≤0,0005 %
Potassium (K) .....	≤0,005 %
Cobalt (Co) .....	≤0,0005 %
Copper (Cu) .....	≤0,0005 %
Manganese (Mn) .....	≤0,0005 %
Sodium (Na) .....	≤0,005 %
Nickel (Ni) .....	≤0,0005 %
Heavy metals (as Pb) .....	≤0,0005 %
Strontium (Sr) .....	≤0,005 %
Zinc (Zn) .....	≤0,001 %

Art. No.	Pack Qty.	Pack.
2189.2	250 g	plastic
2189.1	1 kg	plastic
2189.3	2.5 kg	plastic
2189.5	25 kg	plastic

### Magnesium chloride hexahydrate CELLPURE® ≥99 %

For cell culture and biochemistry.

#### Guarantee analysis

Endotoxins .....	≤3,0 I.U./g
Assay .....	≥99,0 %
Appearance of solution .....	clear, colourless
In H <sub>2</sub> O insoluble matter .....	≤0,05 %
Sulphate (SO <sub>4</sub> ) .....	≤0,01 %
Heavy metals (as Pb) .....	≤0,0005 %
Aluminium (Al) .....	≤0,00005 %
Arsenic (As) .....	≤0,0002 %
Cadmium (Cd) .....	≤0,0001 %
Calcium (Ca) .....	≤0,01 %
Iron (Fe) .....	≤0,0005 %
Potassium (K) .....	≤0,05 %
Mercury (Hg) .....	≤0,0001 %

Art. No.	Pack Qty.	Pack.
HN03.1	250 g	plastic
HN03.2	500 g	plastic
HN03.3	1 kg	plastic
HN03.4	2.5 kg	plastic
HN03.5	5 kg	plastic

### Magnesium chloride hexahydrate ≥98 %, Ph. Eur., USP, BP

#### Guarantee analysis

Appearance .....	colourless crystals, hygroscopic
Assay .....	98,0-101,0 %
Identity .....	complies
Water .....	51,0-55,0 %
Appearance of solution (10 %) ...	clear, colourless
pH value (5 % in H <sub>2</sub> O) .....	4,5-7,0
In H <sub>2</sub> O insoluble matter .....	≤0,005 %
Acidity (0,01 M NaOH/0,5 g) .....	≤0,30 ml
Alkalinity (0,01 M HCl/0,5 g) .....	≤0,30 ml
Sulphate (SO <sub>4</sub> ) .....	≤0,005 %
Bromide (Br) .....	≤0,05 %
Aluminium (Al) .....	≤0,0001 %
Iron (Fe) .....	≤0,001 %
Calcium (Ca) .....	≤0,01 %
Barium (Ba) .....	complies
Potassium (K) .....	≤0,05 %
Potassium (K) .....	complies

Art. No.	Pack Qty.	Pack.
A537.4	500 g	plastic
A537.1	1 kg	plastic
A537.5	2.5 kg	plastic
A537.2	10 kg	plastic
A537.3	50 kg	cardboard

### Magnesium chloride hexahydrate technical, in sheds

#### Type analysis

Appearance .....	white-yellowish flakes
MgCl <sub>2</sub> .....	≥46,5 %
MgSO <sub>4</sub> .....	≤0,6 %
pH value (10 % solution) .....	5,5-9,0
Potassium chloride (KCl) .....	≤0,8 %
Sodium chloride (NaCl) .....	≤0,9 %
Iron (Fe) .....	≤0,0025 %

Art. No.	Pack Qty.	Pack.
3532.1	1 kg	plastic
3532.2	10 kg	plastic
3532.4	25 kg	plastic
3532.3	50 kg	cardboard

### Magnesium chloride solution

### Magnesium chloride solution 0,1 mol/l – 0,1 M, volumetric standard solution

D 1,003 g/cm<sup>3</sup> · bp ~100 °C

#### Type analysis

Amount-of-substance conc. (20 °C) .....	0,1 mol/l
±0,4 %	
Titer .....	0,996-1,004

Art. No.	Pack Qty.	Pack.
1E2Y.1	1 l	plastic

### Magnesium chloride solution 25 mM, sterile, for molecular biology

For optimisation of PCR reaction conditions.

MgCl<sub>2</sub> · D 1,003 g/cm<sup>3</sup> · bp ~100 °C

M 95,22 g/mol

Storage temperature: +4 °C

Transport temperature: ambient temp.

Appearance .....	clear, colourless solution
Concentration .....	25 mM
DNases, RNases .....	none detected
DNA (human, bacterial) .....	none detected
RNA (human) .....	none detected
Suitable for PCR .....	complies

Art. No.	Pack Qty.	Pack.
1HY7.1	1 ml	plastic
1HY7.2	2.5 ml	plastic

### Magnesium citrate

C<sub>6</sub>H<sub>6</sub>MgO<sub>7</sub>

M 214,43 g/mol

CAS No. 7779-25-1 · EC no. 231-923-9

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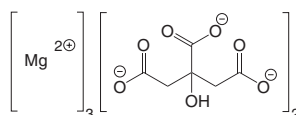
### Magnesium citrate pure

#### Type analysis

Assay (Mg) .....	6,0-8,0 %
pH value (5 % in H <sub>2</sub> O) .....	3,5-4,0
Sulphate (SO <sub>4</sub> ) .....	≤1,0 %
Heavy metals (as Pb) .....	≤0,001 %

Art. No.	Pack Qty.	Pack.
9361.1	100 g	plastic
9361.2	500 g	plastic
9361.3	1 kg	plastic

### tri-Magnesium citrate



Magnesium Citrate, tribasic · Trimagnesium

dicitrate · Citric acid magnesium salt

C<sub>27</sub>H<sub>16</sub>Mg<sub>3</sub>O<sub>14</sub> · D 2 g/cm<sup>3</sup> · mp 184 °C

M 451,13 g/mol

CAS No. 3344-18-1 · EC no. 222-093-9

WGK 1