

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

MgCl₂ · D 2,316 g/cm³ · 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 ₂	≤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

MgCl₂ · 6 H₂O · D 1,57 g/cm³ · 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 ₂ O insoluble matter	≤0,005 %
Total nitrogen (as N)	≤0,002 %
Phosphate (PO ₄)	≤0,0005 %
Nitrate (NO ₃)	≤0,001 %
Sulphate (SO ₄)	≤0,002 %
Ammonium (NH ₄)	≤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 ₂ O insoluble matter	≤0,05 %
Sulphate (SO ₄)	≤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 ₂ O)	4,5-7,0
In H ₂ 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 ₄)	≤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 ₂	≥46,5 %
MgSO ₄	≤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/cm³ · 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.

MgCl₂ · D 1,003 g/cm³ · bp ~100 °C

M 95,22 g/mol

Storage temperature: +4 °C

Transport temperature: ambient temp.

Appearance

Concentration

DNases, RNases

DNA (human, bacterial)

RNA (human)

Suitable for PCR

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

Magnesium citrate

C₁₂H₁₀MgO₇
 M 214,43 g/mol
 CAS No. 7779-25-1 · EC no. 231-923-9
 WGK 1

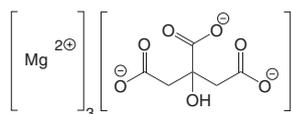
Magnesium citrate pure

Type analysis

Assay (Mg)	6,0-8,0 %
pH value (5 % in H ₂ O)	3,5-4,0
Sulphate (SO ₄)	≤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
 C₁₂H₁₀Mg₃O₁₄ · D 2 g/cm³ · mp 184 °C
 M 451,13 g/mol
 CAS No. 3344-18-1 · EC no. 222-093-9
 WGK 1