


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

MA0036 Magnesium chloride hexahydrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur

assay (complexometric)	99,0 - 101,0 %	barium (Ba)	max. 0,002 %
identity . . . . .	.passes test	calcium (Ca)	max. 0,003 %
appearance of solution . . . . .	.clear and colourless	copper (Cu)	max. 5 ppm
insoluble in water	max. 0,005 %	heavy metals	max. 5 ppm
pH (5 %, H ₂ O)	5,0 - 6,5	iron (Fe)	max. 5 ppm
total nitrogen (as N)	max. 0,002 %	lead (Pb)	max. 5 ppm
bromides (Br)	max. 500 ppm	manganese (Mn)	max. 5 ppm
nitrates (NO ₃)	max. 0,001 %	potassium (K)	max. 0,001 %
phosphates (as PO ₄)	max. 5 ppm	sodium (Na)	max. 0,001 %
sulfates (SO ₄)	max. 0,002 %	strontium (Sr)	max. 0,005 %
ammonium (NH ₄)	max. 0,002 %	water	51,0 - 55,0 %
arsenic (As)	max. 2 ppm		

ART. NO.	VOLUME	CONTAINER
MA00360250	250 g	
MA00360500	500 g	
MA00361000	1 kg	
MA0036005P	5 kg	

MA0037 Magnesium chloride hexahydrate, molecular biology grade

assay (complexometric) . . . . .	.min. 99 %	heavy metals	max. 5 ppm
identity . . . . .	.passes test	iron (Fe)	max. 5 ppm
pH (5 %, H ₂ O)	5,0 - 6,5	DNases, RNases, Proteases	non detected

ART. NO.	VOLUME	CONTAINER
MA00370100	100 g	

MAGNESIUM HYDROXIDE CARBONATE PENTAHYDRATE

MA0055 Magnesium hydroxide carbonate pentahydrate, EssentQ®

- Synonyms: Magnesium carbonate basic
- ~ 4MgCO₃·Mg(OH)₂·5H₂O
- M = ~ 485 g/mol
- CAS [12125-28-9]
- EINECS-No.: 235-192-7
- Solub. in water: (20 °C): insoluble
- Melting point: 700 °C
- Tariff number: 2836 99 11 00
- Applications: analytical chemistry, in buffer solutions, in food industry, thickener, cosmetics.

assay (as MgO) . . . . .	.40 - 45 %
insoluble in H ₂ SO ₄	max. 0,1 %
chlorides (Cl)	max. 0,1 %
sulphur compounds (as SO ₄)	max. 0,2 %

ART. NO.	VOLUME	CONTAINER
MA00551000	1 kg	

MAGNESIUM NITRATE HEXAHYDRATE

- Mg(NO₃)₂·6H₂O
- M = 256,41 g/mol
- CAS [13446-18-9]
- EINECS-No.: 233-826-7
- Solub. in water: (20 °C): 1250 g/l
- Melting point: ~ 89 - 95 °C (decomposes)
- LD 50 (oral, rat): 5440 mg/kg
- ADR: 5.1 O2 III UN 1474
- IMDG: 5.1 III UN 1474
- IATA/ICAO: 5.1 III UN 1474
- GHS-signal word: Danger
- GHS-H sentences: H272
- GHS-P sentences: P221 - P210 - P220 - P280 - P370 + P378a - P501a
- Tariff number: 2834 29 80 00
- Applications: analytical chemistry, laboratory reagent, oxidizing agent.
- Appearance: White crystals

MA0048 Magnesium nitrate hexahydrate, EssentQ®

assay (complexometric) . . . . .	.min. 98 %	arsenic (As)	max. 0,0001 %
insoluble in water	max. 0,025 %	calcium (Ca)	max. 0,05 %
pH (5 %, H ₂ O)	4,0 - 8,5	copper (Cu)	max. 0,002 %
acidity (as HNO ₃)	max. 0,01 %	iron (Fe)	max. 5 ppm
alkalinity (as MgO)	max. 0,005 %	lead (Pb)	max. 0,002 %
chlorides (Cl)	max. 0,01 %	nickel (Ni)	max. 0,002 %
sulfates (SO ₄)	max. 0,01 %	potassium (K)	max. 0,001 %
ammonium (NH ₄)	max. 0,01 %	sodium (Na)	max. 0,001 %

ART. NO.	VOLUME	CONTAINER
MA00480500	500 g	
MA00481000	1 kg	
MA0048005P	5 kg	

MA0050 Magnesium nitrate hexahydrate, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (complexometric)	99 - 102 %	barium (Ba)	max. 0,005 %
insoluble in water	max. 0,005 %	calcium (Ca)	max. 0,005 %
pH (5 %, H ₂ O) . . . . .	.5 - 8,2	heavy metals (as Pb)	max. 5 ppm
chlorides (Cl)	max. 0,001 %	iron (Fe)	max. 5 ppm
phosphates (as PO ₄)	max. 0,0005 %	manganese (Mn)	max. 5 ppm
sulfates (SO ₄)	max. 0,002 %	potassium (K)	max. 5 ppm
ammonium (NH ₄)	max. 0,001 %	sodium (Na)	max. 5 ppm
arsenic (As)	max. 1 ppm	strontium (Sr)	max. 0,005 %

ART. NO.	VOLUME	CONTAINER
MA00500500	500 g	
MA00501000	1 kg	
MA0050005P	5 kg	