

MAGNESIUM CHLORIDE

Product Information

Chemical name :	Magnesium Chloride, HexaHydrate (>99%)		
Cat. Number :	08849A , 100g	08849B , 500g,	08849C , 1Kg
CAS number:	7791-18-6	EC number:	232-094-6
Structure :	MgCl ₂ , 6H ₂ O		
Molecular Weight :	203.3		
Typical Data:	Purity	> 99.0%	
Ammonium	< 0.002%	Nitrate	< 0.001%
Barium	< 0.005%	Phosphate	< 0.0005%
Calcium	< 0.01%	Potassium	< 0.005%
Heavy Metals (as Pb)	< 0.0005%	Sodium	< 0.005%
Insolubles	< 0.005%	Strontium	< 0.005%
Iron	< 0.0005%	Sulfate	< 0.002%
Manganese	< 0.0005		

Storage: Room temperature ^(Z) Not regulated for shipment

Safety:



Hazard Statements: H315 / H319 / H335
 Precautionary Statements: P280 / P302+P352 / P304+P340 / P305+P351+P338
 Hazard Code: gs07 UN Number: NONE

Applications: Suitable for most biochemistry and biotechnology applications (purification, analysis).

Technical information

●Magnesium chloride is a biochemical used in chemistry and molecular biology to provide the magnesium ion for a variety of biological reactions. Mg²⁺ plays notably a major role in enzymology (as a co-factor of many enzymes), and in many physiological processes (cell membrane and wall structural integrity, nucleic acid structure, muscle and nerve physiology,...).

●Magnesium is in particular a co-factor of deoxyribonuclease (DNase), the restriction enzymes Eco R I and Eco R V, and Ribonuclease H. This makes MgCl₂ a useful reagent in polymerase chain reaction (PCR), and for dideoxy-mediated sequencing reactions using bacteriophage T7 DNA polymerase.

It also involved in the trypsin-mediated proteolysis of the mammalian α-ketoglutarate dehydrogenase complex.

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.
 Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

Disclaimer : Materials from Uptima are sold **for research use only**, and are not intended for food, drug, household, or cosmetic uses.
 Uptima is not liable for any damage resulting from handling or contact with this product.

RevP04E

Contact your local distributor

uptima@interchim.com

Uptima, powered by
 213 Avenue J.F. Kennedy - BP 1140
 03103 Montluçon Cedex - France
 Tél. 04 70 03 88 55 - Fax 04 70 03 82 60