

SPECIFICATION

Product Name: Magnesium Chloride Hexahydrate Crystal LR Grade (Food Grade)
Chemical Formula: $MgCl_2 \cdot 6H_2O$
CAS Number: 7791-18-6
Molecular Weight: 203.30 g/mol
Appearance: White Crystal
Odor: Odorless

Chemical Composition

Parameter	Unit	Specification (Min/Max)
Assay as $MgCl_2 \cdot 6H_2O$	%	98.50%
Heavy metals	-	Complies
Sulphate	-	Complies
Water	%	52.00%
PH	-	6.50
Destiny	g/cm ³	1.56 g/cm ³
Matter insoluble in water	%	0.1%
Iron	PPM	3.2 PPM

Physical Properties

- Solubility: Freely soluble in water. Slightly soluble in methanol. Slightly soluble in ethanol. Insoluble in acetone. Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed, moisture-proof container in a cool, dry, and well-ventilated place, protected from moisture, humidity, heat, and direct sunlight.

Applications

- Use: Widely used as a magnesium source, mineral fortification agent, coagulant, electrolyte ingredient, and processing aid in food, nutraceutical, pharmaceutical, personal care, and industrial applications.

- Dosage: Depends on Intended application, Desired elemental magnesium level, Product formulation, Regulatory requirements, Nutritional objectives.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner and 1 Kgs or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.