

SPECIFICATION

Product Name: Light Magnesium Carbonate Food Grade
Chemical Formula: C9H17NO5
CAS Number: 546-93-3
Molecular Weight: 84.31 g/mol
Appearance: White Powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Magnesium	%	43.2%	40 – 43.5%
Calcium	%	0.30%	NMT 0.4%
Chlorides	%	0.28%	NMT 0.3%
Sulphates	%	Conforms	NMT 0.2%
Iron	PPM	Conforms	NMT 50 PPM
Copper	-	Absent	Must be absent
Solubility	-	Insoluble	Should be insoluble in water
Avg. particle size	-	Conforms	250 - 500 Mesh
Moisture content	%	Conforms	NMT 2%
Bulk density	gm/cc	0.106 gm/cc	NMT 0.13 gm/cc
Loss on ignition	%	42.55%	40 – 45%

Physical Properties

- Solubility: Practically insoluble in water. Insoluble in ethanol. Insoluble in acetone. Insoluble in ether.

Shelf Life & Storage

- Shelf Life: 1 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed 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, anti-caking agent, absorbent, carrier, acidity regulator, and processing aid in food, nutraceutical, pharmaceutical, and personal care applications.
- Dosage: Depends on Intended application, Desired elemental magnesium level, Product formulation, Regulatory requirements, Age and nutritional status (for dietary supplements).

Packaging

- Standard Packing: 20 kgs woven PP bags with inner liner, 1 kgs and 100 grams, 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.