

SPECIFICATION

Product Name: Magnesium Oxide 90%
Chemical Formula: MgO
CAS Number: 1309-48-4
Molecular Weight: 40.304 g/mol
Appearance: A fine white powder
Odor: Odorless.

Chemical Composition

Parameter	Unit	Specification (Min/Max)
Magnesium Oxide	%	90%
Calcium Oxide	%	1.50%
Silica	%	5.00%
Alu. Oxide	%	0.35%
Iron Oxide	%	0.45%
Loss on Ignition	%	3.00 – 4.00%
Mesh Size	-	200 Mesh fine powder

Physical Properties

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

Shelf Life & Storage

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

Applications

- Use: Widely used as a magnesium source, alkalizing agent, acid neutralizer, absorbent, and processing aid in pharmaceutical, nutraceutical, food, feed, environmental, and industrial applications.

- Dosage: Depends on the intended application, desired elemental magnesium Content, formulation requirements, regulatory requirements, and target population and nutritional needs.

Packaging

- Standard Packing: 50 kg woven PP bags with inner liner 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.