

SPECIFICATION

Product Name: Magnesium Sulphate Monohydrate 15%
Chemical Formula: $\text{MgSO}_4 \cdot \text{H}_2\text{O}$
CAS Number: 14168-73-1
Molecular Weight: 138.38 g/mol
Appearance: White fine powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Mg	%	15.00%	15.00 to 17.00%
Assay (mgSO_4)	%	85.39%	85.00 to 87.00%
MGO	%	24.87%	24 to 25%

Physical Properties

- Solubility: Soluble in water. Insoluble in ethanol. Insoluble in acetone.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated place at 15–30°C. Protect from moisture, excessive humidity, and contamination. Keep the container tightly closed in the original, properly labeled container. Store away from strong acids, strong oxidizing agents, and incompatible materials, and protect from direct sunlight and excessive heat to maintain product quality and stability.

Applications

- Use: Widely used as a source of magnesium and sulfur in animal feed, mineral premixes, fertilizers, agriculture, and industrial applications, depending on the product grade. In animal nutrition, it supplies essential magnesium to support normal growth, muscle and nerve function, enzyme activity, and metabolic processes. In agriculture, it is used as a micronutrient fertilizer to correct magnesium and sulfur deficiencies and improve crop growth and yield. It is also used in chemical manufacturing, water treatment, and other industrial processes.

- Dosage: Depends on the intended application (animal feed, fertilizer, or industrial use) and the applicable regulatory requirements.

Packaging

- Standard Packing: 25 Kgs woven pp bag with inner liner 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.