

SPECIFICATION

Product Name: Zinc Sulphate Monohydrate 33%
Chemical Formula: $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$
CAS Number: 7446-19-7
Molecular Weight: 179.45 g/mol
Appearance: White or almost white free flow powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Assay	%	100.12%	NLT 98.00% & NMT 100.5%
Zinc content	%	33.25%	Min. 33%
Iron	%	0.75%	Max. 1%
Lead	PPM	2.51 PPM	NMT 30 PPM
Cadmium	PPM	18.78 PPM	NMT 50 PPM
PH	-	5.6	NLT 4.0
Sulphar	%	16.24%	Min. 16.0%

Physical Properties

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

Shelf Life & Storage

- Shelf Life: 3 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, as the product is hygroscopic. Keep the container tightly closed in the original, properly labeled container. Store away from strong

alkalis, 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 zinc in applications such as animal feed, mineral premixes, fertilizers, agriculture, and industrial formulations, depending on the product grade. It helps provide essential zinc required for normal growth, enzyme activity, immune function, reproduction, and overall health in livestock and poultry when used as a feed ingredient. It is also used in micronutrient fertilizers to correct zinc deficiency in crops and in various industrial processes including chemical manufacturing and water treatment.
- Dosage: Depends on the intended application (animal feed, fertilizer, or industrial use) and the applicable regulatory requirements.

Packaging

- Standard Packing: 50 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.