

SPECIFICATION

Product Name: Zinc Sulphate Monohydrate IP Grade
Chemical Formula: $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$
CAS Number: 7446-19-7
Molecular Weight: 179.47 g/mol
Appearance: White fine powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specifications Min./Max.
Zn	%	36.4%	Min. 36.5%
Assay	%	99.9%	Min. 99.5%
pH	-	5	5(+0.2)
Iron	PPM	Less than 10 PPM	Max. 20 PPM
Lead	PPM	Less than 10 PPM	Max. 20 PPM
Copper	PPM	Less than 05 PPM	Max. 20 PPM
Chloride	-	Passes Test	Pass
5% Solution	-	Clear and colourless	Clear and colourless
5% Solution in excess ammonia	-	Clear and colourless	Clear and colourless

Physical Properties

- Solubility: Soluble in water. Insoluble in ethanol. Insoluble in methanol. 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-resistant container in a cool, dry, and well-ventilated place, protected from moisture, heat, direct sunlight, and contamination.

Applications

- Use: Widely used in source of elemental zinc in pharmaceutical and nutraceutical formulations. It is used for the prevention and treatment of zinc deficiency and to support normal immune function, growth, and overall health.

- Dosage: Depends on Age, Nutritional status, Severity of zinc deficiency, Clinical condition, Dietary intake, Healthcare professional's recommendation.

Packaging

- Standard Packing: 25 kgs 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.