

SPECIFICATION

Product Name: Zinc Sulphate Monohydrate USP Grade
Chemical Formula: ZnSO ₄ .H ₂ O
CAS Number: 7446-19-7
Molecular Weight: 179.47 g/mol
Appearance: A white crystalline powder.
Odor: Odorless.

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Identification (A) (For Sulphate)	-	Complies	Complies
Identification (B) (For Zinc)	-	Complies	Complies
Acidity	-	Complies	Complies
Lead	PPM	Complies	NMT 20 PPM
Arsenic	PPM	Complies	NMT 14 PPM
Alkalis & Alkaline	%	Complies	NMT 0.9%
Assay	%	99.10%	NLT 99.00 % & NMT 100.5%

Physical Properties

- Solubility: Freely soluble in water. Practically 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 container in a cool, dry, and well-ventilated place, protected from moisture, humidity, and direct sunlight. Keep the container tightly sealed when not in use to prevent caking and contamination.

Applications

- Use: Widely used as a zinc supplement, nutrient fortification ingredient, and pharmaceutical raw material. It provides zinc, an essential trace mineral required for immune function, growth, wound healing, protein synthesis, and enzyme activity.

- Dosage: Depends on the intended application, age group, and desired elemental zinc intake.

Packaging

- Standard Packing: 25 kg 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.