

SPECIFICATION

Product Name: Ferrous Sulphate Monohydrate Feed Grade
Chemical Formula: $\text{FeSO}_4 \cdot \text{H}_2\text{O}$
CAS Number: 17375-41-6
Molecular Weight: 169.92 g/mol
Appearance: Grayish white to buff colored powder
Odor: Odorless to faint metallic odor

Chemical Composition

Parameter	Unit	Typical Value	Limits
Lead	PPM	42 PPM	NMT 50 PPM
Zinc	PPM	38 PPM	NMT 50 PPM
Manganese	%	0.065	NMT 0.10
Arsenic	PPM	5 PPM	NMT 3 PPM
Basic Sulphate		No turbidity, Clear Solution	To pass the test
Ferric iron	%	0.362	Max 0.5
Cadmium	PPM	7 PPM	NMT 10 PPM
Assay	%	86.14	86 to 90
Fe	%	31.722	32 to 34

Physical Properties

- Solubility: Freely soluble in water; insoluble in alcohol

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep container tightly closed when not in use. Protect from moisture and humidity. Keep away from direct sunlight and heat sources. Avoid contact with air and oxidizing agents to prevent degradation

Applications

- Use: iron source in animal feed and mineral premixes.
- Dosage: As per animal nutritionist's recommendation.

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.