

SPECIFICATION

Product Name: Ferrous Fumarate IP Grade
Chemical Formula: $C_4H_2FeO_4$
CAS Number: 141-01-5
Molecular Weight: 169.9 g/mol
Appearance: Reddish orange fine powder.
Odor: Odorless.

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Identification:			
Test A:	-	Complies	Passes to I.P Test
Test B:	-	Complies	Passes to I.P Test
Test C:	-	Complies	Passes to I.P Test
Sulphate	%	Complies	NMT 0.1%
Arsenic	PPM	Complies	NMT 5 PPM
Heavy Metals	PPM	Complies	NMT 20 PPM
Loss on Drying	%	Complies	NMT 1 %
Ferric Iron	%	0.76%	NMT 2%
Assay on dry basis	%	93.48%	93% to 101%

Physical Properties

- Solubility: Slightly soluble to practically insoluble in water. Practically soluble in ethanol.
Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.

- Storage Conditions: Store in a tightly closed, light-resistant 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 oxidation and maintain product quality.

Applications

- Use: Widely used as an iron supplement and iron fortification ingredient in pharmaceutical, nutraceutical, and food products. It is a concentrated source of elemental iron and is commonly used to help prevent and correct iron deficiency.

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

Packaging

- Standard Packing: 25 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.