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Ferrous Sulfate

- Chemical Name: Ferrous Sulfate
- Formula: $\text{FeSO}_4 \cdot \text{H}_2\text{O}$,
- CAS Number: 17375-41-6
- Specificity: Occurs as gray-white to buff colored powder consisting pri-marily of $\text{FeSO}_4 \cdot \text{H}_2\text{O}$,It dissolves slowly in water, but is insoluble inalcohol.
- Quality standard:

Name of index	Standard
Appearance	White Powder
Assay(FeSO_4)	86-90
Iron%	32
Granulation(through 150 mesh)	99
Identity	confirm
Unsoluble components	<0.005
Heavy metals(As Pb) ,% ≤	0.0050
Lead(Pb) ,% ≤	0.0010
Hg% ≤	0.0003

- Uses:In industry field, it can be used as a substitute for aluminum sulfate in the water treatment. It causes impurities to clump together in masses, called flocculation, or used to remove phosphates in sewage treatment.
- Packing and Storage: Store in a cool place protected from light in full ,tight containers that are made from steel or aluminum and that are suitably lined.