



Nourishing Soils, Growing Future

**Leading Manufacturer &
Exporter of FCO compliant
micronutrient fertilizers & zinc
fertilizers from India**



Zinc Sulphate Monohydrate

HS Code : 28332690

CAS No. : 7446-19-7

Molecular Formula : $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$

Agriculture, Technical Grade, Feed Grade

Product Description :

As a trusted manufacturer of zinc sulphate monohydrate, we craft our product with precision to meet the specific nutritional needs of plants. Rigorously tested for purity and effectiveness, it supports robust growth and development- helping you achieve outstanding results in your agricultural practices.

Properties :

Property	Observation
Appearance	White Powder
Molecular weight	179.46
Zinc (Zn) % weight	33.0 Min
Copper (Cu) weight	0.003 Max
Lead (Pb) weight	0.003 Max
Magnesium (Mg) weight	0.002 Max.
Density	3.28 g/cm ³
Solubility in 100 parts of water	Transition at 238 C
Solubility in water weight	89.5 att 100 C

Product Specification Sheet :

Parameter	Premium Grade	Standard Grade	Commercial Grade
Zinc (Zn) Content (%)	≥ 35.7	≥ 35.34	≥ 34.61
Purity / Assay (%)	≥ 99.0	≥ 98.5	≥ 98.0
Insoluble Matter (%)	≤ 0.020	≤ 0.050	≤ 0.10
pH (5% solution)	≥ 4.0	≥ 4.0	—
Chloride (Cl) Content (%)	≤ 0.20	≤ 0.60	—
Lead (Pb) Content (%)	≤ 0.002	≤ 0.007	≤ 0.010
Iron (Fe) Content (%)	≤ 0.008	≤ 0.020	≤ 0.060
Manganese (Mn) Content (%)	≤ 0.010	≤ 0.030	≤ 0.050
Cadmium (Cd) Content (%)	≤ 0.002	≤ 0.007	≤ 0.010
Copper (Cu) Content (%)	≤ 0.001	—	—



Zinc Sulphate Heptahydrate

HS Code : 28332690

CAS No. : 7746-20-0

Molecular Formula : $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$

Agriculture, Technical Grade, Feed Grade

Product Description :

Zinc is a vital micronutrient supporting enzyme activation, auxin synthesis, and cell elongation in plants. Zinc Sulphate Heptahydrate corrects zinc deficiency in Indian soils, especially in rice, wheat, maize, cotton, and pulses. Deficiency causes stunted growth, delayed maturity, and reduced yields. Water-soluble and suitable for soil and foliar use, it ensures optimal uptake when applied early and helps maintain balanced micronutrient levels with continued use

Properties :

Parameter	Agricultural Grade	Premium Grade
Zinc (Zn) content	$\geq 21.0\%$	22.0-22.5%
Sulphur (S) content	$10.5 \pm 1.0\%$	$11.0 \pm 0.5\%$
Purity ($\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$)	$\geq 97.0\%$	$\geq 98.0\%$
pH (5% sol.)	4.0-5.5	4.0-5.5
Water Solubility	100%	100%
Heavy Metals (Pb)	$\leq 0.002\%$	$\leq 0.001\%$
Cadmium (Cd)	$\leq 0.001\%$	$\leq 0.0005\%$
Appearance	Colorless Crystal	White Crystals



Manganese Sulphate

HS Code : 28332940

CAS No. : 7785-87-7

Molecular Formula : $\text{MnSO}_4 \cdot \text{H}_2\text{O}$

Agriculture, Technical Grade, Feed Grade

Product Description :

Manganese supports photosynthesis, nitrogen use, and enzyme activity. Manganese Sulphate treats deficiencies in sandy, high-pH, and over-limed soils, seen as yellowing in young leaves. It improves disease resistance, seed formation, and flowering. Suitable for legumes, cereals, sugarcane, and horticultural crops. Water-soluble for soil and foliar use.

Properties :

Property	Observation
Appearance	Light pink free flowing powder
Dissolution Test (5% solution)	Clear Solution
Purity $\text{MnSO}_4 \cdot \text{H}_2\text{O}$	98.72%
Mn Content	32.12% min
Iron content	below 8 ppm
Lead	below 17 ppm
Bulk Density	1.388
Chloride	320 ppm
Insoluble matter	0.037%



Ferrous Sulphate

HS Code : 28332910

CAS No. : 7782-63-0

Molecular Formula : $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$

Agriculture, Technical Grade, Feed Grade

Product Description :

Iron plays a vital role in chlorophyll formation, respiration, and energy transfer in plants. Ferrous Sulphate is the most commonly used iron source in agriculture to address iron deficiency (chlorosis), especially in alkaline or calcareous soils. Typical symptoms include yellowing between the veins of younger leaves. This compound helps restore green foliage and enhance metabolic activity. It is particularly effective in crops like rice, soybean, citrus, and vegetables. Depending on crop needs, Ferrous Sulphate can be applied through soil or as a foliar spray.

Properties :

Property	Observation
Appearance	Greenish free flowing crystal
Dissolution Test (5% solution)	Clear Solution
pH solution (5% solution)	7+
Purity $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	99%
Fe Content	19.05% min
Lead	nil
Arsenic	nil



Magnesium Sulphate

HS Code :28332100

CAS No. :10034-99-8

Molecular Formula : $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$

Agriculture, Technical Grade, Feed Grade

Product Description :

Magnesium Sulphate is a secondary nutrient widely used to correct magnesium deficiency in soil. It plays a crucial role in chlorophyll formation, enzyme activation, and carbohydrate metabolism, helping plants stay green and healthy. It also improves nitrogen and phosphorous uptake, accelerates sugar production, and supports the development of new crop branches and germination. This nutrient is essential for crops that require magnesium-rich soil for optimal growth. Its water-soluble nature makes it suitable for both soil and foliar applications, offering flexibility to farmers across various crop types.

Properties :

Parameter	Agricultural Grade	Premium Grade
Magnesium (Mg) content	$\geq 9.5\%$	9.8-10.2%
Sulphur (S) content	12.0-13.5%	$13.0 \pm 0.5\%$
Purity ($\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$)	$\geq 98.0\%$	$\geq 99.0\%$
Water Solubility	100%	100%
Heavy metals (Pb)	$\leq 0.003\%$	$\leq 0.002\%$
Appearance	White Crystals	White free flowing Powder



Zinc Ingot

HS Code : 79011200

CAS No. :7440-66-6

Technical Grade

Product Description :

Zinc ingots are high-purity metal blocks used in galvanizing, die casting, and chemical production. In galvanizing, zinc forms a corrosion-resistant coating on steel, ideal for structures like bridges and pipelines. In die casting, zinc alloys provide strength and precision for automotive and electrical components. Zinc is also used in making zinc oxide, batteries, brass, and paints. Fully recyclable and energy-efficient, zinc supports sustainable manufacturing.

Properties :

Element	Percentage Composition
Zinc (Zn)	99.61
Lead (Pb)	0.13
Cadmium (Cd)	0.0012
Nickel (Ni)	0.0012
Aluminium (Al)	0.026
Copper (Cu)	0.006
Iron (Fe)	0.21
Tin (Sn)	0.0003

We Deliver our packages in the following package sizes :

- 1. 1 KG** - Polyester Laminated or LDPE pouches.
- 2. 5 KG** - Laminated HDPE bags LDPE liner or LDPE laminated polyester pouches.
- 3. 10 KG, 25 KG, 50KG** - Laminated HDPE bags.

We ensure high quality of product quality through rigorous test methods:

- 1. ICP OES Method** for Zinc Ingot.
- 2. AAS and Titration** for Other Products.

Industry standard laboratory and raw materials



Raw materials sourced from:

1. North America
2. South America
3. Middle East Countries
4. Phillippens
5. Thailand
6. Canada

Trusted by Industry Leaders :

1. Tata Chemicals
2. Chambal Fertilizers & Chemicals Ltd.
3. Punjab Markfed



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Reach out to us for 24 x 7 Support

