



Technical Data Sheet - Zinc Sulphate Mono Hydrate 33%

Zinc is an important element, indispensable for the vegetative growth of the plant. Most of the crops are very sensitive to Zinc deficiency. Its presence activates a series of enzymatic actions in the plant for maintaining the course of several vital growth events. Zinc enhances the protein synthesis and promotes the production of growth promoting substances thus increase the yield and quality of the crop.

Sr. No.	Description	Result
01	Matter insoluble in water percentage by weight, maximum	1%
02	Zinc (as Zn) percentage by weight minimum	33%
03	Lead (as Pb) percentage by weight maximum	0.003%
04	pH not less than	4
05	Sulphur (as S) percentage by weight, minimum	15%
06	Cadmium (as Cd) percentage by weight, minimum	0.0025%
07	Arsenic (as As) percentage by weight, minimum	0.01%
08	Iron as Fe percentage by weight, Maximum	1.0%

Application

1. The main application of Zinc Sulphate Monohydrate is as a coagulant in the production of rayon.
2. It is also a precursor to the pigment lithopone.
3. Zinc sulphate is used to supply zinc in animal feeds, fertilizers, and agricultural sprays.
4. It is used as in electrolytes for zinc plating, as a mordant in dyeing, as a preservative for skins and leather and in medicine as an astringent and emetic
5. Zinc Sulphate Monohydrate is also used as laboratory reagent.