



HANS CHEMICALS PRIVATE LIMITED

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TECHNICAL DATA SHEET

MAGNESSIUM SULPHATE

Magnesium sulfate or magnesium sulphate is a chemical compound, a salt with the formula $MgSO_4$, consisting of magnesium cations Mg^{2+} and sulfate anions SO_4^{2-} . It is a white crystalline solid, soluble in water but not in ethanol. Magnesium is a naturally occurring mineral that is important for many systems in the body especially the muscles and nerves. Magnesium sulfate also increases water in the intestines. Magnesium sulfate is used as a laxative to relieve occasional constipation.

Specification :

Sr. No.	Parameters	Units	LR grade	Technical grade
1.	Description		White Crystalline Powder, Odorless, Efflorescent. Bitter, Cooling Taste	White Crystalline Powder, Odorless, Efflorescent. Bitter, Cooling Taste
2.	Solubility		Very soluble in water, practically insoluble in ethanol.	Very soluble in water, practically insoluble in ethanol.
3.	Clarity		10% of Aqua solution is clear and Colorless	10% of Aqua solution is clear and Colorless
4.	Assay	%	99.0 Min	98.0 Min
5.	pH of 5% Solution		5.0 to 8.5	5.0 to 8.5
6.	Chloride as Cl	%	0.01 Max.	0.1 Max.
7.	Heavy Metal (PB)	%	0.001 Max.	0.01 Max.
8.	Iron as Fe	%	0.001 Max.	0.01 Max.

Application : Pharma, Agriculture.