



Technical Data Sheet – Magnesium Sulphate Hepta Hydrate

The Magnesium Sulphate Hepta hydrate has a pH of 6 in its hydrated form and it is commonly known as Epsom salt. The anhydrous Magnesium Sulphate is hygroscopic, therefore it is difficult to weigh. Used as a drying agent, the anhydrous Magnesium Sulphate is used for medical preparations.

Sr. No.	Parameters	Result	Unit
01	Magnesium (as Mg)	9.5	%
02	Sulphate Sulphur (as S)	12.0	%
03	Matter Insoluble	1.0	%
04	pH	5.0-8.0	
05	Lead (as Pb)	0.003	%
06	Cadmium (as Cd)	0.0025	%
07	Arsenic (as As)	0.01	%

Application

- One of the major uses of magnesium sulphate is in agriculture and gardening where it is used as a fertilizer
- Magnesium sulphate is used in bath salts.
- Magnesium sulphate hepta hydrate is also used to maintain the magnesium concentration in marine aquaria
- Magnesium sulphate is used as the electrolyte to prepare copper sulphate
- Magnesium sulphate is used as a brewing salt in beer production to adjust the ion content of the brewing water
- It is used in paper making industry
- Magnesium Sulphate Hepta hydrate is also used as laboratory reagent