

Magnesium Sulfate Heptahydrate 9.8%Mg

Typical Chemical Analysis:

Items	Unit	Specifications	Typical/Actual	Methods
Purity as Magnesium	%, min.	9.8	9.83	HG/T 2680-2009
or as MgSO ₄ ·7H ₂ O:	%, min.	99.0	99.7	HG/T 2680-2009
Sulfur (S):	%, min.	12.9	13.0	* Calculation
Water insoluble matter:	%, max.	0.1	0.02	HG/T 2680-2009
Iron (Fe):	%, max.	0.003	< 0.001	HG/T 2680-2009
Chlorides (as Cl):	%, max.	0.20	< 0.014	HG/T 2680-2009
Lead (Pb):	mg/kg	—	< 10	AAS
Arsenic (As):	mg/kg	—	< 2	AFS
Cadmium (Cd):	mg/kg	—	< 2	AAS
Chromium (Cr):	mg/kg	—	< 5	AAS
Mercury (Hg):	mg/kg	—	< 1	AFS

Other Typical Properties:

Appearance White or transparent crystals pH Value (5% solution) 5.0 – 9.0

Packaging:

Standard Net 25kg plastic woven bags with inner liner
Options Net 50kg, 50lb, 2000lb, 1000kg, 1200kg bags

Possible Applications/Uses:

Widely used in the industries of agriculture, animal feeds, leather tanning, paper-making, porcelain industry, textiles, batteries, etc.



Other Information:

Molecular Formula	MgSO ₄ -7H ₂ O	CAS #	10034-99-8 (Heptahydrate)
Molecular Weight	246.48	EINECS #	231 -298-2