

TECHNICAL DATA SHEET



Product Name..... Magnesium Sulphate Hepta 99.5%

CAS Number..... 10034-99-8

Batch No..... 6588053B

Date of Manufacture.... Not specified by supplier

Best Before..... Not applicable

Shelf Life..... Stable indefinitely under recommended storage conditions

Magnesium Sulphate Heptahydrate is chemically stable and does not have a defined expiry when stored in a sealed container in a cool, dry environment. No official shelf life is assigned by the supplier.

This Technical Data Sheet is provided as evidence of quality and specification. Original laboratory certificates are retained on file and may be viewed upon request by qualified buyers.

Customers should confirm suitability for their intended use through their own testing.

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Valid as of August 2025

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The following values are provided as typical and guaranteed specifications for Magnesium Sulphate Heptahydrate.

Specifications				
Description	Method	Typical	Guaranteed	Unit
Appearance: white crystals			Conforms	
Purity, MgSO ₄ ·7H ₂ O			Min 99.5	%
MgSO ₄			Min 47.8	%
pH, 5% solution w/v			6.0 - 8.0	
Particle size		0.2 - 3.0		mm
Mg			Min 9.7	%
Chloride, Cl			Max 0.014	%
Iron, Fe			Max 0.001	%
Arsenic, As			Max 0.0002	%
Cadmium			Max 2	ppm
Nickel			Max 3	ppm
S Content			Min 12.9	%
Insolubles		Max 0.01	To be reported	%
Selenium			Max 0.003	%
Hg			Max 0.1	ppm
Heavy metals, Pb			Max 0.0008	%

Specifications are based on supplier data and typical values.

Batch-specific CoAs are retained on file and available to qualified buyers upon request.