



TECHNICAL DATA SHEET(TDS)
Magnesium Sulfate Anhydrous Powder, Reagent/USP
Product Specifications (CAS# 7487-88-9)

Test	Specification	Typical Results
Appearance	White to off-white powder or granules	White powder
Identification	Gives the reaction of Magnesium	Pass
Identification	Gives the reaction of Sulphate	Pass
Solubility	Very soluble in boiling water. Freely soluble in water. Slowly soluble in glycerin. Sparingly soluble in alcohol.	Pass
Assay (on dried basis)	98.0 - 100.5%	99.75%
pH	5.0 - 9.2	Pass
Loss on drying (105°C/2h)	Max 2%	< 2.0%
Chloride	Max 0.014%	< 0.014%
Iron	Max 20 µg/g	< 20 µg/g
Selenium	Max 0.003%	< 0.003%
Identification A	Gives the reaction of Magnesium	Pass
Identification B	Gives the reaction of Sulphate	Pass

Appropriate/legal use of this product is the responsibility of the user.

[Magnesium Sulfate Powder Anhydrous, Reagent Grade](#)

Phone: 512-668-9918, Fax: 512-886-4008, E-mail: customercare@laballey.com
www.laballey.com
12501 Pauls Valley Road, Suite A, Austin, Texas 78737
© 2026 Lab Alley