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## Product Specification

Product Name:  
Magnesium sulfate heptahydrate - ACS reagent, ≥98%

<b>Product Number:</b>	<b>230391</b>	<b>MgSO<sub>4</sub> • 7H<sub>2</sub>O</b>
CAS Number:	10034-99-8	
MDL:	MFCD00149785	
Formula:	MgO4S • 7H2O	
Formula Weight:	246.47 g/mol	

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystals
Infrared spectrum	Conforms to Structure
Complexiometric EDTA	98.0 - 102.0 %
Insoluble matter	≤ 0.005 %
c = 10%, Water	
Calcium (Ca)	≤ 0.02 %
Chloride (CL)	≤ 5 ppm
Iron (Fe)	≤ 5 ppm
Heavy Metals	≤ 5 ppm
by ICP-OES	
Manganese	≤ 5 ppm
Sodium (Na)	≤ 0.005 %
Ammonia (NH4)	≤ 0.002 %
Nitrate (NO3)	≤ 0.002 %
pH	5.0 - 8.2
c = 5%, Water at 25°C	
Strontium (Sr)	≤ 0.005 %
Potassium (K)	≤ 0.005 %
Meets ACS Requirements	Current ACS Specification
Recommended Retest Period	-----
1440 days	

Specification: PRD.2.ZQ5.10000064186

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.