

## Certificate of Analysis

**Product: Magnesium Sulfate Heptahydrate**

Meets ACS Specifications

**CAS # 10034-99-8**

**CHEMICAL FORMULA : Mg<sub>2</sub>SO<sub>4</sub>•7H<sub>2</sub>O**

**Product Code : CP-M1649D**

**Lot: 2024022260**

**Density: 1.67 g/mL, 25C**

**F.W. 245.50 g/mol**

Characteristic	Requirement		Results	Units
	Min.	Max.		
Appearance	white, crystals		Pass	
Assay ( Mg <sub>2</sub> SO <sub>4</sub> •7H <sub>2</sub> O )	98.0	102.0	100.29	%
Chloride ( Cl )		5	<5	ppm
Heavy metals ( as Pb )		5	<0.5	ppm
Ammonium ( NH <sub>4</sub> )		20	<5	ppm
Insoluble matter		50	<2	ppm
Iron ( Fe )		5	<0.1	ppm
Manganese ( Mn )		5	<0.5	ppm
Nitrate ( NO <sub>3</sub> )		20	<5	ppm
pH of a 5% solution at 25C	5.0	8.2	6.43	na
Potassium ( K )		50	<5	ppm
Strontium ( Sr )		50	<0.1	ppm
Sodium ( Na )		50	<5	ppm
Calcium ( Ca )		200	<5	ppm
Manufactured	2024-Feb-22			

na = not applicable

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Persons using this information should make their own determination regarding its suitability for their particular use.

Store in a cool and dry place.

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