



**ChemPure* Brand
Chemicals**

Product Code: CP-M1649D, A1649D
Lot #: 2016120864

Certificate Of Analysis

...Pure Quality


Chemical Name: **Magnesium Sulfate**
Heptahydrate, Crystal, ACS
Chemical Formula: $MgSO_4 \cdot 7H_2O$

F.W.: 246.5000
CAS: 10034-99-8
Density: 1.6700 kg/L

Analytical Results		
Item	Specifications	Analysis
Chloride (Cl)	5 ppm max.	<5ppm
Date of Manufacture	Record Actual	03/25/2016
Heavy Metals (as Pb)	5 ppm max.	<5ppm
Ammonium (NH ₄)	0.002% max.	<0.002%
Insoluble Matter	0.005% max.	0.003%
Iron (Fe)	5 ppm max.	<5ppm
Manganese (Mn)	5 ppm max.	1ppm
Nitrate (NO ₃)	0.002% max.	<0.002%
pH of a 5% solution at 25°C	5.0 - 8.2	6.6
Potassium (K)	0.005% max.	0.001%
Sodium (Na)	0.005% max.	0.003%
Strontium (Sr)	0.005% max.	0.0007%
Assay (MgSO ₄ • 7H ₂ O)	98.0 - 102.0%	100.4%
Calcium (Ca)	0.02% max.	0.0004%

Remarks:

It is certified that the above copy is a true copy of the actual lot analysis.


Kevin Hansen
Quality Assurance Manager

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