



**ChemPure* Brand
Chemicals**

Product Code: **329000-90000**

Lot #: **2012022260**

Certificate Of Analysis

...Pure Quality

Chemical Name: **Magnesium Sulfate**
Heptahydrate, Crystal, ACS
Chemical Formula: $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$

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

Analytical Results		
Item	Specifications	Analysis
Chloride (Cl)	5 ppm max.	< 5 ppm
Heavy Metals (as Pb)	5 ppm max.	<0.5 ppm
Ammonium (NH ₄)	0.002% max.	<0.0005 %
Insoluble Matter	0.005% max.	<0.0002%
Iron (Fe)	5 ppm max.	<0.1 ppm
Manganese (Mn)	5 ppm max.	<0.5 ppm
Nitrate (NO ₃)	0.002% max.	<0.0005 %
pH of a 5% solution at 25°C	5.0 - 8.2	6.43
Potassium (K)	0.005% max.	<0.0005 %
Sodium (Na)	0.005% max.	<0.0005 %
Strontium (Sr)	0.005% max.	<0.00001%
Assay (MgSO ₄ • 7H ₂ O)	98.0 - 102.0%	100.29%
Calcium (Ca)	0.02% max.	<0.0005%

Remarks:

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

Shawn Chadwick
Technical Director