



EMD Chemicals Inc.
480 S. Democrat Road
Gibbstown, NJ 08027
Phone 856-423-6300
Fax 856-423-4389

Name: Ferrous Ammonium Sulfate Hexahydrate
[Ammonium Ferrous Sulfate]
GR ACS, Fine Crystals
Meets ACS Specifications

Formula: $\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$

Item Number: FX0245, FX0245-901

Formula Wt: 392.14

Lot Number: 44097

Data Order No: 000085417

CHARACTERISTIC	REQUIREMENT		RESULTS	UNITS
	Min.	Max.		
Assay	98.5	101.5	100.05	%
Insoluble matter		0.01	< 0.01	%
Color			Blue-green	
Form			Crystals	
Phosphate (PO4)		0.003	< 0.003	%
Calcium (Ca)		0.005	0.0002	%
Copper (Cu)		0.003	0.0003	%
Ferric iron (Fe+++)		0.01	0.01	%
Magnesium (Mg)		0.002	< 0.0001	%
Manganese (Mn)		0.01	0.0011	%
Potassium (K)		0.002	0.0008	%
Sodium (Na)		0.02	0.0002	%
Substances not precipitated by ammonium hydroxide		0.05	< 0.05	%
Zinc (Zn)		0.003	0.0003	%

Charles M. Wilson,
Quality Assurance Manager

Release Date: 4/14/2004

EMD Chemicals Inc.
(Formerly EM Science, A Division of EM Industries, Inc.)
An Affiliate of Merck KGaA, Darmstadt, Germany