

SAMPLE



Giles Chemical, a division of Premier Magnesia, LLC.
200 Brown St. Greendale, IN 47025
Phone: (812) 537-4852
USP Certificate of Analysis

Release Date: _____
CUSTOMER : _____
CUST. REF: _____ SHIP DATE: _____
PRODUCT: Magnesium Sulfate - USP TRAILER NUMBER: _____
SHELF LIFE: 3 Years BILL OF LADING #: _____
LOT NUMBER: _____ PO NUMBER #: _____
CARRIER: _____ MANUFACTURED: _____
CUST. CONTACT: _____ EXPIRATION: _____

I certify that this material meets all the requirements of the Giles Chemical sales specifications and the United States Pharmacopeia. Periodic testing has shown the samples to be consistently free of volatile organic impurities. Giles Chemical magnesium sulfate is manufactured under the guidelines of Current Good Manufacturing Practices (cGMP).

EPSOM SALT, Magnesium Sulfate - Heptahydrate, USP

METHOD	TEST	LOWER	UPPER	Test Results
VISUAL	Appearance	~~	~~	Clear
USP 43	Limit of Chloride <221>	~~	140 ppm	< 140 ppm
USP 43	Limit of Iron <241>	~~	20 ppm	< 20 ppm
USP 43	Selenium <291>	~~	30 ppm	< 30 ppm
USP 43	Heavy Metals (as Pb) <231>	~~	10 ppm	< 10 ppm
USP 43	pH (5% Solution) <791>	5.0	9.2	6.03
USP 43	Loss on Ignition <733>	40.0	52.0	50.6%
USP 43	Assay, % MgSO ₄ (Dry Basis)	99.0	100.5	100.3%
Calculated from Assay & LOI	% MgSO ₄ (As is Basis)	47.52	60.3	49.6%
USP 43	ID, Magnesium <191>	~~	~~	Positive
USP 43	ID, Sulfate <191>	~~	~~	Positive

CONTACT:

Quality Assurance Laboratory

ANALYST:

SIGNATURE ON FILE