



**Giles Chemical, a division of Premier Chemicals, LLC.**  
**102 Commerce Street Waynesville, NC 28786**  
**Tech Certificate of Analysis**

6/3/2008

CUSTOMER: \_\_\_\_\_  
CUST. REF: \_\_\_\_\_ SHIP DATE: \_\_\_\_\_  
PRODUCT: Magnesium Sulfate - Tech TRAILER NUMBER: \_\_\_\_\_  
SHELF LIFE: 3 Years BILL OF LADING # : \_\_\_\_\_  
LOT NUMBER: 0608 PO NUMBER # : \_\_\_\_\_  
SHIPPER : \_\_\_\_\_ MANUFACTURED : \_\_\_\_\_  
CUST. SERV. : \_\_\_\_\_ EXPIRES : \_\_\_\_\_

I, certify that this material meets all the requirements of the Giles Chemical sales specification and the United States Pharmacopeia 30. Periodic testing has shown the samples to be consistently free of volatile organic impurities. Giles Chemical manufactured under the guidelines of Good Manufacturing Practices ( GMP )

**EPSOM SALT, Magnesium Sulfate - Heptahydrate, Tech Grade**

METHOD	TEST	LOWER	UPPER	Test Results
VISUAL	Appearance	~~	~~	Clear
USP30	Chloride as Cl (%)	~~	0.014	<.001%
USP30	Ignition Loss (%)	40.00	52.00	49.41%
USP30	MgSO <sub>4</sub> ( Anhydrous wt. % )	99.00	100.50	99.75%
USP30	MgSO <sub>4</sub> ( As is basis, % )	48.30	52.00	48.68%
USP30	pH 5% Solution	5.00	9.20	7.06
USP30	Mg <sup>2+</sup> ID			Present
USP30	SO <sub>4</sub> <sup>2-</sup> ID			Present

ATTN:

ANALYST:

SIGNATURE ON FILE