



Giles Chemical Corporation USP Certificate of Analysis

9/15/2006

CUSTOMER: _____	
CUST. REF: _____	SHIP DATE: _____
PRODUCT: Magnesium Sulfate - USP	TRAILER NUMBER: _____
SHELF LIFE: 3 Years	BILL OF LADING #: _____
LOT NUMBER: 1206	PO NUMBER #: _____
SHIPPER: _____	MANUFACTURED: _____
CUST. SERV.: _____	EXPIRES: _____

USP29

EPSOM SALT, Magnesium Sulfate - Heptahydrate, USP

USP29	TEST	LOWER	UPPER	TEST RESULTS
USP29	Appearance	~~	~~	Clear
USP29	Arsenic (PPM)	~~	3.00	<3ppm
USP29	Boron (PPM)	~~	15.00	<15.0ppm
USP29	Chloride as Cl (%)	~~	0.014	.001%
USP29	Heavy Metals As Pb (%)	~~	0.001	<.001%
USP29	ignition Loss (%)	40.00	52.00	51.20%
USP29	Iron	~~	20.00	.16ppm
USP29	MgSO ₄ (Anhydrous wt. %)	99.00	100.50	99.49%
USP29	MgSO ₄ (As is basis, %)	48.30	52.00	48.62%
USP29	pH 5% Solution	5.00	9.20	6.20
USP29	Selenium (%)	~~	0.003	<.003%
USP29	Mg ²⁺ ID			Present
USP29	SO ₄ ²⁻ ID			Present

ATTN:

ANALYST:

SIGNATURE ON FILE