



## AGRICULTURAL - CERTIFICATE OF ANALYSIS

3/19/2012

CUSTOMER: \_\_\_\_\_  
CUST. REF: \_\_\_\_\_ SHIP DATE: \_\_\_\_\_  
PRODUCT: Magnesium Sulfate - MAGNAGROW TRAILER NUMBER: \_\_\_\_\_  
SHELF LIFE: 3 Years BILL OF LADING #: \_\_\_\_\_  
LOT NUMBER: **0112** PO NUMBER #: \_\_\_\_\_  
SHIPPER: \_\_\_\_\_ MANUFACTURED: \_\_\_\_\_  
CUST. SERV.: \_\_\_\_\_ EXPIRATION: \_\_\_\_\_

I, certify that this material meets all the requirements of the PQ Corporation sales specification 606311

Magnesium Sulfate - Heptahydrate, Agricultural Grade; CAS Registry #: 10034-99-8

METHOD	TEST	LOWER	UPPER	Test Results
VISUAL	Appearance	~~	~~	Clear
USP34	Chloride as Cl (%)	~~	0.014	< 0.014%
USP34	Ignition Loss (%)	40.00	52.00	50.87%
USP34	MgSO <sub>4</sub> ( Anhydrous wt. % )	99.00	100.50	99.90%
USP34	MgSO <sub>4</sub> ( As is basis, % )	48.30	52.00	48.75%
USP34	pH 5% Solution	5.00	9.20	6.08

ATTN:

ANALYST: STEPHEN BALLEW

SIGNATURE ON FILE

PQ - CORPORATION - UTICA, IL

(815) 667-4241