



## TECH - CERTIFICATE OF ANALYSIS

8/12/2011

CUSTOMER: \_\_\_\_\_  
CUST. REF: \_\_\_\_\_ SHIP DATE: \_\_\_\_\_  
PRODUCT: Magnesium Sulfate - TECH TRAILER NUMBER: \_\_\_\_\_  
SHELF LIFE: 3 Years BILL OF LADING # : \_\_\_\_\_  
LOT NUMBER: **0811** PO NUMBER # : \_\_\_\_\_  
SHIPPER : \_\_\_\_\_ MANUFACTURED : \_\_\_\_\_  
CUST. SERV. : \_\_\_\_\_

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	0.0006%
USP34	Ignition Loss (%)	40.00	52.00	51.06%
USP34	MgSO <sub>4</sub> ( Anhydrous wt. % )	99.00	100.50	99.39%
USP34	MgSO <sub>4</sub> ( As is basis, % )	48.30	52.00	48.50%
USP34	pH 5% Solution	5.00	9.20	6.36

ATTN:

ANALYST:

SIGNATURE ON FILE  
PQ - CORPORATION - UTICA, IL  
(815) 667-4241