



## TECH - CERTIFICATE OF ANALYSIS

1/18/2010

CUSTOMER: \_\_\_\_\_  
CUST. REF: \_\_\_\_\_ SHIP DATE: \_\_\_\_\_  
PRODUCT: Magnesium Sulfate - TECH TRAILER NUMBER: \_\_\_\_\_  
SHELF LIFE: 3 Years BILL OF LADING # : \_\_\_\_\_  
LOT NUMBER: **0110** 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
USP32	Chloride as Cl (%)	~~	0.014	0.001%
USP32	Ignition Loss (%)	40.00	52.00	51.10%
USP32	MgSO <sub>4</sub> ( Anhydrous wt. % )	99.00	100.50	99.71%
USP32	MgSO <sub>4</sub> ( As is basis, % )	48.30	52.00	48.66%
USP32	pH 5% Solution	5.00	9.20	7.40

ATTN:

ANALYST:

SIGNATURE ON FILE

PQ - CORPORATION - UTICA, IL

(815) 667-4241