



AGRICULTURAL - CERTIFICATE OF ANALYSIS

2/16/2011

CUSTOMER: _____
CUST. REF: _____ SHIP DATE: _____
PRODUCT: Magnesium Sulfate - MAGNAGROW TRAILER NUMBER: _____
SHELF LIFE: 3 Years BILL OF LADING # : _____
LOT NUMBER: **0211** 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 |
| USP33 | Chloride as Cl (%) | ~~ | 0.014 | 0.001% |
| USP33 | Ignition Loss (%) | 40.00 | 52.00 | 51.25% |
| USP33 | MgSO ₄ (Anhydrous wt. %) | 99.00 | 100.50 | 99.37% |
| USP33 | MgSO ₄ (As is basis, %) | 48.30 | 52.00 | 48.49% |
| USP33 | pH 5% Solution | 5.00 | 9.20 | 6.20 |
| | | | | |

ATTN:

ANALYST:

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