



Certificate of Analysis

Magnesium Nitrate Matrix Modifier

Catalog Number: IMM-003

Lot Number: L00776

Job Number: J00011526

Lot Issue Date: 07/01/2010

Expiration Date: 08/31/2017

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within $\pm 2.5\%$, when compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value for each analyte is determined gravimetrically.

Analyte	True Value			Analytical Method	NIST SRM
magnesium nitrate	10016	$\pm$	50 $\mu\text{g/mL}$	ICP / ICP-MS	3131a

Matrix: 2% nitric acid in low TOC water (< 50 ppb)

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAgrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.



ISO 9001 Registered Quality System – TUV USA


William J. Leary
Quality Assurance Manager