



Certificate of Analysis

Manganese
AA Standard

Catalog Number: IAA-025
Lot Number: E00356Z
Job Number: J00003909
Lot Issue Date: 11/06/2008
Expiration Date: 12/31/2015

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001:2000 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below

Analyte	True Value	Analytical Method	NIST SRM
manganese	10000 ± 50 µg/mL	ICP / ICP-MS	3132

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/NCCL Z-540-1 and ISO 9001



ISO 17025:2005
Accredited
A2LA
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ISO 9001:2000
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