

# Certificate of Analysis

**Selenium**  
**AA Standard**

**Catalog Number: IAA-034**  
**Lot Number: E00368Z**  
**Job Number: J00003917**  
**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

<b>Analyte</b>	<b>True Value</b>	<b>Analytical Method</b>	<b>NIST SRM</b>
selenium	10000 ± 50 µg/mL	ICP / ICP-MS	3149

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  
Cert. No. 0851.01

ISO 9001:2000  
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