

## Certificate of Analysis

**Cesium**  
**AA Standard**

**Catalog Number: IAA-055**  
**Lot Number: H00349A**  
**Job Number: J00006940**  
**Lot Issue Date: 05/04/2007**  
**Expiration Date: 08/31/2016**

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
cesium	10000 ± 50 µg/mL	ICP / ICP-MS	3111a

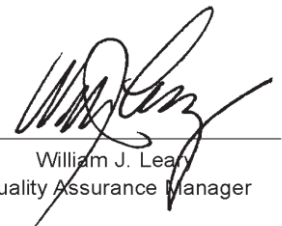
Matrix: 1% nitric acid in low TOC water (< 50 ppb)

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 17025:2005  
Accredited  
A2LA  
Cert. No. 0851.01

ISO 9001:2000  
Registered  
TUV USA, Inc.  
Cert. No. 06-1004



William J. Leahy  
Quality Assurance Manager