



# Certificate of Analysis

**ICP-MS Internal Standard**  
**Yttrium at 100 µg/mL**

**Catalog Number: IMS-115**  
**Lot Number: R00191**  
**Lot Issue Date: 03/05/2013**  
**Expiration Date: 04/30/2020**

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

| Analyte | True Value        | Analytical Method | NIST SRM |
|---------|-------------------|-------------------|----------|
| Yttrium | 100.0 ± 0.5 µg/mL | ICP / ICP-MS      | 3167a    |

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

ULTRA uses purified acids, 18 megaohm double deionized water, calibrated Class A glassware, and 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/NC SL Z-540-1 and ISO 9001.



ISO 9001 Registered Quality System – TUV USA

  
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