

Certificate of Analysis

Product Description:

Name: Yttrium Metallo-Organic Standard
Part Number: YYOMS
Lot Number: SAMPLE

Source Material:
Material Purity:
Matrix:

High Purity Metallo Organic
99.5%
Mineral Oil

Certified Value:

<u>Element</u>	<u>($\mu\text{g/g}$)</u>
Y	1000 \pm 10

The Certified value is based on gravimetric preparation. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor k is about 2.

Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines. This standard was prepared using methods developed at the National Institute of Standards and Technology for the preparation of SRM Spectrometric Standard Solutions.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedural and measurement uncertainties.

- Analytical Balance Calibration:** All balances are calibrated weekly by in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly, and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.
- Volumetric Device Calibration:** The calibration of all volumetric vessels is checked using ASTM method E542.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned glass amber bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided.

Preparation Date: January 8, 2015

Shipped Date:

Expiration Date:

Certificate Issue Date: January 9, 2015



Angel Sellers
Quality Manager

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