

Product Specification

Primary Drinking Water Metals Standard

Lot Number: SAMPLE

Product Number: RWAT7

Manufacture Date: N/A

Expiration Date: N/A

This is a multielement solution that was prepared gravimetrically to contain the elements and concentrations stated below. The uncertainty associated with the certified values is $\pm 0.5\%$ relative. The concentrations are confirmed by ICP or ICP-MS.

Matrix: 2% Nitric Acid

| Name | CAS# | Grade |
|-------------|-----------|-----------------|
| Water | 7732-18-5 | ACS/ASTM/USP/EP |
| Nitric Acid | 7697-37-2 | Trace Metals |

| Test | Specification | Result |
|------------|------------------|--------|
| Appearance | Colorless liquid | N/A |

| Analyte | Analysis (ppm) | Solute | CAS# | Grade | NIST SRM# |
|---------------|----------------|---------------------------------|------------|-------------|-----------|
| Arsenic (As) | 9.95-10.05 ppm | Arsenic | 7440-38-2 | High Purity | 3103 |
| Barium (Ba) | 99.5-100.5 ppm | Barium Nitrate | 10022-31-8 | High Purity | 3104 |
| Cadmium (Cd) | 4.97-5.03 ppm | Cadmium | 7440-43-9 | High Purity | 3108 |
| Chromium (Cr) | 9.95-10.05 ppm | Chromium Nitrate Nonahydrate | 7789-02-8 | High Purity | 3112 |
| Lead (Pb) | 9.95-10.05 ppm | Lead | 7439-92-1 | High Purity | 3128 |
| Selenium (Se) | 4.97-5.03 ppm | Selenium | 7782-49-2 | High Purity | 3149 |
| Silver (Ag) | 9.95-10.05 ppm | Silver | 7440-22-4 | High Purity | 3151 |

This standard is guaranteed to be stable and accurate provided the product is kept tightly capped and stored under normal laboratory conditions. Balances are calibrated using NIST traceable weights whose verification of maintenance and recalibration is documented per inhouse Standard Operating Procedures. Class A glassware is also calibrated and routinely rechecked per inhouse Standard Operating Procedures. Trace metal analyzed acids and Trace Metals Analyzed Water are used in the manufacture of this product. Triple cleaned containers are used in the manufacture of this product.

| Part Number | Size / Package Type | Shelf Life (Unopened Container) |
|-------------|---------------------|---------------------------------|
| RWAT7-100 | 100 mL amber poly | 12 months |

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Katie Schnur
Quality Control Manager

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."