

# Product Specification

## Secondary Water Standard

**Lot Number:** SAMPLE

**Product Number:** RWAT4

**Manufacture Date:** N/A

**Expiration Date:** N/A

This is a multielement solution that was prepared volumetrically 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 to light blue liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Zinc (Zn)	497-503 ppm	Zinc	7440-66-6	High Purity	3168
Copper (Cu)	99.5-100.5 ppm	Copper	7440-50-8	High Purity	3114
Iron (Fe)	29.8-30.2 ppm	Iron	7439-89-6	High Purity	3126
Manganese (Mn)	4.97-5.03 ppm	Manganese	7439-96-5	High Purity	3132

Specification	Reference
Secondary Water Standard	EPA (200.7)
Secondary Water Standard	EPA (SW-846) (6010)

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 in-house Standard Operating Procedures. Class A glassware is also calibrated and routinely rechecked per in-house 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)
RWAT4-100	100 mL natural LDPE	12 months

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

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