

# Product Specification

## Mixed Metal Standard

0.5 ppm Cr, Cu, Fe, Ni, Zn in 4% HNO<sub>3</sub>

Lot Number: SAMPLE

Product Number: RCELMX05

Manufacture Date: N/A

Expiration Date: N/A

Matrix: 4% 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# |
|---------------|-----------------|---------------------------------|-----------|-------------|-----------|
| Chromium (Cr) | 0.495-0.505 ppm | Chromium Nitrate<br>Nonahydrate | 7789-02-8 | High Purity | 3112      |
| Zinc (Zn)     | 0.495-0.505 ppm | Zinc                            | 7440-66-6 | High Purity | 3168      |
| Copper (Cu)   | 0.495-0.505 ppm | Copper                          | 7440-50-8 | High Purity | 3114      |
| Nickel (Ni)   | 0.495-0.505 ppm | Nickel                          | 7440-02-0 | High Purity | 3136      |
| Iron (Fe)     | 0.495-0.505 ppm | Iron                            | 7439-89-6 | High Purity | 3126      |

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) |
|-------------|---------------------|---------------------------------|
| RCELMX05-1N | 1 L natural poly    | 12 months                       |

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