

# Product Specification

**ICP Blend in 3% HNO<sub>3</sub>**  
**1000 ppm Ca, K, Mg, Na**

**Lot Number:** SAMPLE

**Product Number:** RPMX126N

**Manufacture Date:** N/A

**Recommended Retest Date:** N/A

**Matrix:** 3% nitric acid in water

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

| Test       | Specification    | Result |
|------------|------------------|--------|
| Appearance | clear, colorless | N/A    |

| Analyte        | Analysis (ppm) | Solute            | CAS#      | Grade       | NIST SRM# |
|----------------|----------------|-------------------|-----------|-------------|-----------|
| Potassium (K)  | 990-1010       | Potassium Nitrate | 7757-79-1 | High Purity | 3141      |
| Calcium (Ca)   | 990-1010       | Calcium Carbonate | 471-34-1  | High Purity | 3109      |
| Sodium (Na)    | 990-1010       | Sodium Carbonate  | 497-19-8  | High Purity | 3152      |
| Magnesium (Mg) | 990-1010       | Magnesium         | 7439-95-4 | High Purity | 3131      |

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) |
|---------------|---------------------|---------------------------------|
| RPMX126N-100N | 100 mL natural LDPE | 12 months                       |
| RPMX126N-500N | 500 mL natural poly | 12 months                       |

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

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

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