

Product Specification

ICP blend 3, B, Na, Mg, Ca, P, Sr, Fe, K, Mn, Ba in 5% Nitric acid

Lot Number: SAMPLE

Product Number: RPMX153N

Manufacture Date: N/A

Recommended Retest 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: 5% Nitric Acid

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

| Test | Specification | Result |
|------------|-------------------------|--------|
| Appearance | Clear, colorless liquid | N/A |

| Analyte | Analysis (ppm) | Solute | CAS# | Grade | NIST SRM# |
|----------------|----------------|-------------------------------|------------|-------------|-----------|
| Sodium (Na) | 4950-5050 | Sodium Carbonate | 497-19-8 | High Purity | 3152 |
| Calcium (Ca) | 990-1010 | Calcium Carbonate | 471-34-1 | High Purity | 3109 |
| Boron (B) | 99-101 | Ammonium Tetrafluoroborate | 13826-83-0 | High Purity | 3107 |
| Potassium (K) | 495-505 | Potassium Carbonate | 584-08-7 | High Purity | 3141 |
| Barium (Ba) | 99-101 | Barium Nitrate | 10022-31-8 | High Purity | 3104 |
| Strontium (Sr) | 99-100 | Strontium Carbonate | 1633-05-2 | High Purity | 3153 |
| Manganese (Mn) | 99-101 | Manganese | 7439-96-5 | High Purity | 3132 |
| Magnesium (Mg) | 99-101 | Magnesium | 7439-95-4 | High Purity | 3131 |
| Iron (Fe) | 99-100 | Iron | 7439-89-6 | High Purity | 3126 |
| Phosphorus (P) | 1.9-2.1 | Ammonium Dihydrogen Phosphate | 7722-76-1 | High Purity | 3139 |

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) |
|-------------|---------------------|---------------------------------|
| RPMX153N-1N | 1 L 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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