

Product Specification

ICP Mix 2, 13 elements
Sb As Co Cr Cu Pb Ni Se Sn Tl 10ppm, Be Cd Ag 1ppm
Lot Number: SAMPLE
Product Number: RICP7044
Manufacture Date: N/A
Recommended Retest Date: N/A
Matrix: 5% HNO₃ w/ tr HF

| Name | CAS# | Grade |
|-------------------|-----------|-----------------|
| Water | 7732-18-5 | ACS/ASTM/USP/EP |
| Nitric Acid | 7697-37-2 | Trace Metals |
| Tartaric Acid | 87-69-4 | ACS |
| Hydrofluoric Acid | 7664-39-3 | Trace Metals |

| Test | Specification | Result |
|------------|----------------------------|--------|
| Appearance | colorless to slight yellow | N/A |

| Analyte | Analysis (ppm) | Solute | CAS# | Grade | NIST SRM# |
|----------------|----------------|---------------------|-----------|-------------|-----------|
| Chromium (Cr) | 9.5-10.5 | Ammonium Dichromate | 7789-09-5 | High Purity | 3112 |
| Antimony (Sb) | 9.5-10.5 | Antimony Trioxide | 1309-64-4 | High Purity | 3102 |
| Selenium (Se) | 9.5-10.5 | Selenium | 7782-49-2 | High Purity | 3149 |
| Copper (Cu) | 9.5-10.5 | Copper | 7440-50-8 | High Purity | 3114 |
| Cobalt (Co) | 9.5-10.5 | Cobalt | 7440-48-4 | High Purity | 3113 |
| Arsenic (As) | 9.5-10.5 | Arsenic | 7440-38-2 | High Purity | 3103 |
| Tin (Sn) | 9.5-10.5 | Tin | 7440-31-5 | High Purity | 3161 |
| Thallium (Tl) | 9.5-10.5 | Thallium | 7440-28-0 | High Purity | 3158 |
| Nickel (Ni) | 9.5-10.5 | Nickel | 7440-02-0 | High Purity | 3136 |
| Lead (Pb) | 9.5-10.5 | Lead | 7439-92-1 | High Purity | 3128 |
| Silver (Ag) | 0.95-1.05 | Silver Nitrate | 7761-88-8 | High Purity | 3151 |
| Cadmium (Cd) | 0.95-1.05 | Cadmium | 7440-43-9 | High Purity | 3108 |
| Beryllium (Be) | 0.95-1.05 | Beryllium | 7440-41-7 | High Purity | 3105 |

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) |
|---------------|---------------------|---------------------------------|
| RICP7044-500B | 500 mL amber 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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