

Product Specification

Mixed Standard PMX002N

Lot Number: SAMPLE

Product Number: PMX002N

Manufacture Date: N/A

Expiration Date: N/A

This solution is intended for use as a quality control standard for plasma emission spectroscopy (ICP or DCP). It is a multielement solution that was prepared volumetrically. The relative uncertainty associated with the certified values is $\pm 0.5\%$.

Matrix: 5% Nitric Acid

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

Test	Specification	Result
Appearance	Light colored liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Potassium (K)	99-101 ppm	Potassium Nitrate	7757-79-1	High Purity	3141
Calcium (Ca)	99-101 ppm	Calcium Carbonate	471-34-1	High Purity	3109
Sodium (Na)	99-101 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Barium (Ba)	99-101 ppm	Barium Nitrate	10022-31-8	High Purity	3104
Zinc (Zn)	99-101 ppm	Zinc	7440-66-6	High Purity	3168
Copper (Cu)	99-101 ppm	Copper	7440-50-8	High Purity	3114
Silver (Ag)	99-101 ppm	Silver	7440-22-4	High Purity	3151
Nickel (Ni)	99-101 ppm	Nickel	7440-02-0	High Purity	3136
Molybdenum (Mo)	99-101 ppm	Molybdenum	7439-98-7	High Purity	3134
Manganese (Mn)	99-101 ppm	Manganese	7439-96-5	High Purity	3132
Magnesium (Mg)	99-101 ppm	Magnesium	7439-95-4	High Purity	3131
Iron (Fe)	99-101 ppm	Iron	7439-89-6	High Purity	3126

Specification	Reference
Mixed ICP Standard PMX-002N	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)
PMX002N-16	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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