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Product Specification

Molybdenum ICP Standard, 10,000 ppm Mo in 5% HNO₃/tr HF

Lot Number: SAMPLE Product Number: PMO10KN

Name

Water

Manufacture Date: N/A Expiration Date: N/A

The uncertainty associated with the certified value is $\pm 0.5\%$ relative, which is the sum of the estimated errors due to the purity of the raw material, the volumetric preparation of the solution, and transpiration of the solution through the container wall.

The final solution concentration is confirmed by AA, ICP, or ICP-MS, and is traceable to NIST Standard Reference Material 3134. All trace level elements were determined by ICP or ICP-MS.

Grade

ACS/ASTM/USP/EP

CAS#

7732-18-5

Nitric Acid			7697-37	7-2	Trace	Metals		
Molybdenum			7439-98	3-7	High F	Purity		
Hydrofluoric A	cid		7664-39	9-3	Trace	Metals		
Test			Speci	fication		Result		NIST SRM#
Appearance			Color	less liquid		N/A		
Molybdenum (I	Mo)		9950	-10050 ppm		N/A		3134
			•	v ICP or ICP - I ed in mg/L (ppm)	MS	I=Spectra	al Interference	N=Not Tested
Aluminum (Al)	N/A		num (La)	N/A		trontium (Sr)	N/A	
Antimony (Sb)	N/A	Lead (F		N/A		ulfur (S)	N/A	
Arsenic (As)	N/A	Lithiun	ı (Li)	N/A		'antalum (Ta)	N/A	
Barium (Ba)	N/A	Lutetiu		N/A		'ellurium (Te)	N/A	
Beryllium (Be)	N/A	Magnes	sium (Mg)	N/A	T	'erbium (Tb)	N/A	
Bismuth (Bi)	N/A	Mangai	nese (Mn)	N/A		'hallium (Tl)	N/A	
Boron (B)	N/A	Mercur	y (Hg)	N/A		'horium (Th)	N/A	
Cadmium (Cd)	N/A	•	nium (Nd)	N/A		'hulium (Tm)	N/A	
Calcium (Ca)	N/A	Nickel	(Ni)	N/A	T	'in (Sn)	N/A	
Cerium (Ce)	N/A	Niobiur		N/A	T	'itanium (Ti)	N/A	
Cesium (Cs)	N/A	Osmiur	n (Os)	N/A	T	'ungsten (W)	N/A	
Chromium (Cr)	N/A		um (Pd)	N/A	U	Jranium (U)	N/A	
Cobalt (Co)	N/A	Phosph	orus (P)	N/A	V	anadium (V)	N/A	
Copper (Cu)	N/A	Platinu		N/A		tterbium (Yb)	N/A	
Dysprosium (Dy)	N/A	Potassi	um (K)	N/A		ttrium (Y)	N/A	
Erbium (Er)	N/A		lymium (Pr)			inc (Zn)	N/A	
Europium (Eu)	N/A	Rheniu	m (Re)	N/A	Z	irconium (Zr)	N/A	
Gadolinium (Gd)	N/A	Rhodiu	m (Rh)	N/A				
Gallium (Ga)	N/A	Rubidiu	ım (Rb)	N/A				
Germanium (Ge)	N/A	Ruthen	ium (Ru)	N/A				
Gold (Au)	N/A	Samari	um (Sm)	N/A				
Hafnium (Hf)	N/A	Scandi	ım (Sc)	N/A				
Holmium (Ho)	N/A	Seleniu	m (Se)	N/A				
Indium (In)	N/A	Silicon	(Si)	N/A				
Iridium (Ir)	N/A	Silver (Ag)	N/A				
Iron (Fe)	N/A	Sodium	(Na)	N/A				

Version: 1.3 Lot Number: SAMPLE Product Number: PMO10KN Page 1 of 2

Specificati	on					Reference	
35111	TOD O	 1 4	 	3.5 (10.000	35 \ 35	EDA (200.7)	

Molybdenum ICP Standard, 1 mL = 10 mg Mo (10,000 ppm Mo) Mo EPA (200.7) in 5% HNO3 / tr HF

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)
PMO10KN-100	100 mL natural LDPE	18 months
PMO10KN-500	500 mL natural poly	18 months

Recommended Storage: $15^{\circ}\text{C} - 30^{\circ}\text{C} (59^{\circ}\text{F} - 86^{\circ}\text{F})$

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Version: 1.3 Lot Number: SAMPLE Product Number: PMO10KN Page 2 of 2