



Certificate of Analysis

Catalog No: SR00500-471

Lot No: 1020058

Storage: Ambient

Matrix: 2% HNO₃

Container: 125 ml Narrow Mouth, HDPE clean

Quality System
Audited & Registered
by NSF-ISR to ISO 9001:2000

Date Received: _____

Expiration Date: 1/Jun/2011

Description: Custom Multi-element Standard,
100 mg/L ± 0.5% in 2% HNO₃, 100ml
Al, Ag, As, Ba, Be, Co, Cd, Cr, Cu, Fe, K, Mn, Mo, Ni, Pb, Sb, Se, Sn,

Element	Symbol	CAS No.	Source		Concentration mg/L
			Lot No.	Purity %	
Aluminum	Al	7429-90-5	7001.46.4P	99.999	100
Silver	Ag	7440-22-4	7000.46.3P	99.999	100
Arsenic	As	7440-38-2	7002.46.2P	99.999	100
Barium	Ba	7440-39-3	7004.38.1	99.999	100
Beryllium	Be	7440-41-7	7005.46.4P	99.999	100
Cobalt	Co	7440-48-4	7008.46.4P	99.999	100
Cadmium	Cd	7440-43-9	7007.46.2P	99.999	100
Chromium	Cr	7440-47-3	7009.46.1P	99.998	100
Copper	Cu	7440-50-8	7011.46.3P	99.9999	100
Iron	Fe	7439-89-6	7012.46.7P	99.995	100
Potassium	K	7440-09-7	7013.46.3	99.999	100
Manganese	Mn	7439-96-5	7017.46.2P	99.99	100
Molybdenum	Mo	7439-98-7	7018.29.1	99.999	100
Nickel	Ni	7440-02-0	7021.46.5P	99.999	100
Lead	Pb	7439-92-1	7023.29.1	99.999	100
Antimony	Sb	7440-36-0	7026.46.2	99.999	100
Selenium	Se	7782-49-2	7027.46.3	99.999	100
Tin	Sn	7440-31-5	7029.46.2	99.999	100
Thallium	Tl	7440-28-0	7236.46.1P	99.999	100
Vanadium	V	7440-62-2	7036.46.2P	99.999	100
Zinc	Zn	7440-66-6	7037.46.3P	99.999	100

Amber Moore

Certified By: _____

Amber Moore

This standard was prepared gravimetrically using balances calibrated with NIST traceable weights (NIST Test Number 822/264157-00). Only calibrated Class A volumetric glassware was used to prepare this standard. Sub-boiled distilled acid and 18 megaohm deionized water were used to stabilize the product. All raw materials were checked for stoichiometry and purity prior to use. This standard has been spectrometrically certified by an independent source, which is directly traceable to NIST.

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