

Certificate of Analysis



Quality System Audited & Registered
by NSF-ISR to ISO 9001:2008

Catalog No.: 160888-01-01

Lot No.: 1107453

Storage: Ambient store out of direct sun light

Matrix: 4% HNO₃ + Tr HF

Description: ICP200.7-6, 100 mL
mg/L in 4% HNO₃ + Tr HF



ISO 17025 Accredited Chemical Testing Lab
Cert. No. 3031.01

Date Received: _____

Comment: Mercury is shipped separately.

Expiration Date: 29-Oct-2018

Element	Symbol	CAS No.	Source Lot No.	Purity %	Concentration mg/L
Silver	Ag	7440-22-4	7000.29.2	99.999	5 +/- .02
Aluminum	Al	7429-90-5	7001.409.2	99.9999	20 +/- .07
Arsenic	As	7440-38-2	7002.409.3	99.9999	20 +/- .07
Boron	B	7440-42-8	7003.29.3	99.9995	20 +/- .07
Barium	Ba	7440-39-3	7004.29.4	99.997	20 +/- .07
Beryllium	Be	7440-41-7	7005.409.1	99.996	20 +/- .07
Calcium	Ca	7440-70-2	7006.117.4	99.999	20 +/- .07
Cadmium	Cd	7440-43-9	7007.409.3	99.9999	20 +/- .07
Chromium	Cr	7440-47-3	7009.409.1	99.99	20 +/- .07
Cobalt	Co	7440-48-4	7008.409.1	99.999	20 +/- .07
Copper	Cu	7440-50-8	7011.409.3	99.9999	20 +/- .07
Iron	Fe	7439-89-6	7012.409.1	99.99	20 +/- .07
Potassium	K	7440-09-7	7013.409.5	99.999	100 +/- .3
Lithium	Li	7439-93-2	7015.46.5	99.999	20 +/- .07
Magnesium	Mg	7439-95-4	7016.409.1	99.99	20 +/- .07
Manganese	Mn	7439-96-5	7017.409.1	99.98	20 +/- .07
Sodium	Na	7440-23-5	7020.409.1	99.999	20 +/- .07
Nickel	Ni	7440-02-0	7021.409.1	99.995	20 +/- .07
Phosphorus	P	7723-14-0	7022.409.4	99.999	100 +/- .3
Antimony	Sb	7440-36-0	7026.409.1	99.9999	20 +/- .07
Selenium	Se	7782-49-2	7027.409.2	99.999	20 +/- .07
Silicon	Si	7440-21-3	7028.409.3	99.999	100 +/- .3
Strontium	Sr	7440-24-6	7030.409.1	99.999	20 +/- .07
Tin	Sn	7440-31-5	7029.409.2	99.999	20 +/- .07
Thallium	Tl	7440-28-0	7034.29.7	99.99	20 +/- .07
Vanadium	V	7440-62-2	7036.409.2	99.999	20 +/- .07
Zinc	Zn	7440-66-6	7037.409.2	99.9998	20 +/- .07
Lead	Pb	7439-92-1	7023.29.4	99.999	20 +/- .07
Molybdenum	Mo	7439-98-7	7018.29.3	99.999	20 +/- .07
Mercury	Hg	7439-97-6	7055.46.2	99.999	20 +/- .06

Certified By: _____

Shane Overcash

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. The concentration and uncertainty of this standard are calculated based on the weight and volumes used in the manufacturing process. The uncertainty value is calculated for a 95% confidence interval with a k value of 2. 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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