

Certificate of Analysis



Catalog No: 060060-02-01

Lot No: 1003011

Storage: Ambient

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

Specific Gravity: 1.0104

Matrix: 2% HNO₃

Expiration Date: 9/1/2009

Description: Neodymium 1,000 mg/L ±0.3% in 2% HNO₃ 100 ml

Date Received: _____

Element	Symbol	CAS No	Source Lot No	Purity %	Concentration mg/L
Neodymium	Nd	7440-00-8	7056.46.1	99.999	1000

This standard has been prepared gravimetrically using balances calibrated with NIST traceable weights. Only Class-A volumetric glassware was used to prepare this product. 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 certified by ICP against an independent source which is directly traceable to NIST SRM 3135.

This standard was analyzed by ICP-MS for trace impurities. A = Major component, INT = Interferent from the major component.

Trace impurity analysis in µg/L

Li	<0.1	Ca	<1.0	Cu	<0.1	Y	<0.1	Cd	<0.1	Ce	<0.1	Ho	<0.1	Re	<0.1	Bi	<0.1
Be	<0.1	Ti	<0.1	Zn	<0.1	Zr	<0.1	In	<0.1	Pr	2	Er	INT	Os	<0.1	Th	<0.1
B	5	V	<0.1	Ga	<0.1	Nb	<0.1	Sn	<0.1	Nd	A	Tm	<0.1	Ir	<0.1	U	1
Na	<1.0	Cr	<0.1	Ge	INT	Mo	<0.1	Sb	<0.1	Sm	INT	Yb	<0.1	Pt	<0.1		
Mg	<1.0	Mn	<0.1	As	<0.1	Ru	<0.1	Te	<0.1	Eu	<0.1	Lu	<0.1	Au	<0.1		
Al	<1.0	Fe	<0.1	Se	<0.1	Rh	<0.1	Cs	<0.1	Gd	<0.1	Hf	<0.1	Hg	<0.1		
P	<1.0	Co	<0.1	Rb	<0.1	Pd	<0.1	Ba	<0.1	Tb	INT	Ta	<0.1	Tl	<0.1		
K	<1.0	Ni	<0.1	Sr	<0.1	Ag	<0.1	La	<0.1	Dy	<0.1	W	<0.1	Pb	1		

Certified By: _____

Mark Filla

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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