

Certificate of Analysis

DESCRIPTION:

Catalogue Number:

Matrix Modifier – Ammonium Nitrate 5.00 % w/v

Starting Material:

140-003-181/-182/-185

Matrix:

Ammonium Nitrate 99.99+%

Lot Number:

2% HNO₃

Expiration Date (End of month):

S251007011

October 2027

This solution is analyzed by Inductively Coupled Plasma Spectroscopy (ICP-MS) and traceable to NIST Standard Reference Material N/A.

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0002	Fe*	0.1606	Nd	<0.0001	Sn	<0.0009
Al*	0.0098	Ga	<0.0003	Ni	<0.0023	Sr	<0.0002
As	<0.0008	Gd	<0.0004	Os	<0.0001	Ta	<0.0001
Au	<0.0001	Ge	<0.0002	P	<0.0363	Tb	<0.0001
B	<0.0032	Hf	<0.0001	Pb	<0.0003	Te	<0.0004
Ba	<0.0006	Hg	<0.0001	Pd	<0.0086	Th	<0.0001
Be	<0.0001	Ho	<0.0001	Pr	<0.0003	Ti	<0.0001
Bi	<0.0001	In	<0.0076	Pt	<0.0003	Tl	<0.0001
Ca	<0.0278	Ir	<0.0001	Rb	<0.0001	Tm	<0.0003
Cd	<0.0002	K	<0.1122	Re	<0.0001	U	<0.0001
Ce	<0.0074	La	<0.0002	Rh	<0.0002	V	0.0019
Co	0.0174	Li	0.0076	Ru	<0.0001	W	<0.0003
Cr	<0.0028	Lu	<0.0006	S*	<0.1000	Y	<0.0001
Cs	<0.0004	Mg*	<0.0050	Sb	<0.0002	Yb	<0.0001
Cu	0.0021	Mn*	<0.0050	Sc	<0.0002	Zn	<0.0064
Dy	<0.0001	Mo	<0.0005	Se	<0.0015	Zr	<0.0009
Er	<0.0001	Na	0.0150	Si*	<0.1000	*: Checked by ICP-AES **: Not tested	
Eu	<0.0001	Nb	<0.0001	Sm	<0.0001		

Certified by: Yaling Sui
Yaling Sui, chemist

Date of certification: October 15, 2025

This ICP-AES & ICP-MS Standard is guaranteed to be stable and accurate to within $\pm 0.5\%$ of the actual concentration up to the unopened expiry date, if sealed, or 15 months after opening, up to the unopened expiry date, provided the solution is kept tightly capped and stored under normal laboratory conditions. For these solutions, 18 megohm/cm double deionized water, high-purity acids, Class A glassware and acid-cleaned bottles are used. The Material Safety Data Sheet and this Certificate of Analysis are available on our web site. (Également disponible en Français)

AnalytiChem Canada is ISO 9001 registered (Intertek Certificate Number 4737-5) and ISO 17025 (ANAB Certificate Number AT-3218) / ISO 17034 (ANAB Certificate Number AR-3219)* accredited.

(*This product is **not accredited**. See our Scope of Accreditation for an official list of accredited certified reference materials).

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