

Certificate of Analysis

Product: ACS Grade Nitric Acid

Distributor: Alchemie Labs

Lot Number: 2508130029A

FWL CoA#: AL2508130029A-001

Expiration Date: Not provided.

Compound Tested: ACS Grade Nitric Acid

Testing Rational: ACS testing specifications

Molecular Formula: HNO₃

Molecular Weight: 63.01 g/mol

Chemical Abstracts Service (CAS) Number: 7697-37-2

Test	Specification	Results					
Appearance	Clear Liquid Solution. No solids or yellow hue	Clear Liquid Solution. No solids. Opaque (no color)					
Concentration (analytical titration)	68.0-70.0%	66.5 +/- 0.3%					
Density @ 20 C	1.35-1.48 g/cm ³ @ 20C	1.37 +/- 0.03 g/cm ³					
Residue After Ignition	< 5 ppm	1.5 +/- 0.2 ppm					
Inorganic Analysis (ICP-MS and ICP-OES)	1 ppm or less of each. Total to not surpass 5 ppm.	Ag	< 0.100 ppb	Co	< 0.100 ppb	Na	664 ppb
		Al	< 0.100 ppb	Cr	< 0.100 ppb	Ni	< 0.100 ppb
		As	< 0.100 ppb	Cu	< 0.100 ppb	Pb	< 0.100 ppb
		B	< 0.100 ppb	Fe	507 ppb	Se	< 0.100 ppb
		Ba	< 0.100 ppb	Hg	< 0.100 ppb	Sr	< 0.100 ppb
		Be	< 0.100 ppb	K	241 ppb	Tl	< 0.100 ppb
		Ca	< 0.100 ppb	Li	< 0.100 ppb	V	< 0.100 ppb
		Cd	< 0.100 ppb	Mg	< 0.100 ppb	Zn	< 0.100 ppb
		Ce	< 0.100 ppb	Mn	< 0.100 ppb		

Inorganic Analysis (Ion chromatography)	All ions (less NO_3^-) are not detectable.	No significant ions found.
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Approved by: Yuklin Chan, PhD

Title: Sr. Quality Manager

Date: 1/20/2026

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