



CERTIFICATE OF ANALYSIS

Nitric Acid - (1:1) Trace Metals Grade

This "Certificate of Analysis" represents a chemical preservative that has been prepared in accordance with Performance-Based specifications. This product meets or exceeds analyte specifications established in the U. S. EPA OSWER Directive 9240.0-05A "Specification and Guidance for Contaminant-free Sample Containers" for use in Superfund and other Hazardous waste programs.

The Nitric Acid used in preservation procedures is tested by a 3rd Party NELAC Laboratory prior to use for determination of potential metal contaminants based on the list below.

Metals

<u>Analyte</u>	<u>RL ug/L</u>	<u>Analyte</u>	<u>RL ug/L</u>	<u>Analyte</u>	<u>RL ug/L</u>
Aluminum	30 U	Copper	2 U	Potassium	100 U
Antimony	1 U	Iron	75 U	Selenium	0.5 U
Arsenic	0.5 U	Lead	0.5 U	Silicon	100 U
Barium	0.5 U	Lithium	0.5 U	Silver	0.5 U
Beryllium	0.5 U	Magnesium	30 U	Sodium	50 U
Bismuth	0.5 U	Manganese	1 U	Strontium	0.5 U
Boron	10 U	Mercury	0.2 U	Thallium	0.5 U
Cadmium	0.1 U	Molybdenum	0.5 U	Tin	0.5 U
Calcium	100 U	Nickel	0.5 U	Titanium	1 U
Chromium (Total)	2.0 U	Palladium	0.5 U	Vanadium	1 U
Cobalt	1 U	Platinum	0.5 U	Zinc	5 U

NOTES:

- a. Reporting Limit (RL) = The lowest concentration standard analyzed which can be verified.
- b. U = The analyte was analyzed for but not detected above the Reporting Limit.
- c. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

Disclaimer: Containers inoculated with the chemical preservative Nitric Acid may yellow in time. The yellow coloring does not hinder the intended use as a metal's preservative.

The chemical added to this product may become altered depending upon storage conditions and elapsed time from the prepared date.

This "Certificate of Analysis" is provided for your records and is used to facilitate any required correspondences as needed.

Item Description: 1:1 Nitric Acid (Trace Metals Grade)

Lot Number: 24023666

Date Product Prepared: 03/31/26

Chemical Expiry Date: 07/30/27

Chief Executive Officer
Manufactured for VWR International



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Group 2 Containers for Inorganics

Analyte	RL ug/L	Analyte	RL ug/L	Analyte	RL ug/L
Aluminum	30 U	Copper	1 U	Potassium	100 U
Antimony	1 U	Iron	75 U	Selenium	0.5 U
Arsenic	0.5 U	Lead	0.5 U	Silicon	100 U
Barium	0.5 U	Lithium	0.5 U	Silver	0.5 U
Beryllium	0.5 U	Magnesium	30 U	Sodium	50 U
Bismuth	0.5 U	Manganese	0.5 U	Strontium	0.5 U
Boron	10 U	Mercury	0.2 U	Thallium	0.5 U
Cadmium	0.1 U	Molybdenum	0.5 U	Tin	0.5 U
Calcium	100 U	Nickel	0.5 U	Titanium	1 U
Chromium (Total)	2.0 U	Palladium	0.5 U	Vanadium	1 U
Cobalt	1 U	Platinum	0.5 U	Zinc	5 U

Analyte	RL mg/L	Analyte	RL mg/L	Analyte	RL mg/L
Alkalinity	5.0 U	Chloride	0.5 U	Cyanide	0.01 U
Fluoride	0.2 U	Sulfide	0.05 U	Sulfate	0.5 U

NOTES:

- a. RL = Reporting Limit (RL).
- b. U = The analyte was analyzed for but not detected above the Reporting Limit.

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This case is preserved. These containers are barcoded.

Each container contains: 3.5 mLs 1:1 Nitric Acid

Level: Quality Assured (QA) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number.

Part Number: QLPV89080076

Lot Number: 033026-2BPS

VWR Part No.: 76184-852

Date Product Prepared: 3/31/2026


Item Description: 500mL HDPE Wide Mouth Bottle

Chemical Lot Number: 24023666

Protocol: A Level: QA

Chemical Expiry Date: 07/30/27

Group: 2 (applies)



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