

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Nitric acid - 70%, purified by redistillation, ≥99.999% trace metals basis

Product Number: 225711
Batch Number: MKCK4663
Brand: ALDRICH
CAS Number: 7697-37-2
Formula: HNO₃
Formula Weight: 63.01 g/mol
Quality Release Date: 12 AUG 2019

HNO₃

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Purity (Titration by NaOH)	68.0 - 70.0 %	68.8 %
Trace Metal Analysis	≤ 10.0 ppm	< 10.0 ppm
Aluminum (Al)		< 0.1 ppm
Arsenic (As)		< 0.1 ppm
Barium (Ba)		< 0.1 ppm
Cadmium (Cd)		< 0.1 ppm
Calcium (Ca)		< 0.2 ppm
Chromium (Cr)		< 0.1 ppm
Copper (Cu)		< 0.1 ppm
Iron (Fe)		0.2 ppm
Lead (Pb)		< 0.1 ppm
Lithium (Li)		< 0.1 ppm
Magnesium (Mg)		< 0.1 ppm
Manganese (Mn)		< 0.1 ppm
Molybdenum (Mo)		< 0.1 ppm
Nickel (Ni)		< 0.1 ppm
Potassium (K)		< 0.3 ppm
Silver (Ag)		< 0.1 ppm
Sodium (Na)		< 0.3 ppm
Strontium (Sr)		< 0.1 ppm
Zinc (Zn)		< 0.1 ppm
Purity	Meets Requirements	Meets Requirements
> = 99.999% Based On Trace Metals Analysis		

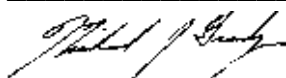
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Michael Grady, Manager
Quality Control
Milwaukee, WI US

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