

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

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

Product Number:

225711

CAS Number:

7697-37-2

MDL:

MFCD00011349

Formula:

HNO<sub>3</sub>

Formula Weight:

63.01 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Purity (Titration by NaOH)	68.0 - 70.0 %
Trace Metal Analysis	≤ 10.0 ppm
Total Metallic Impurities	
Purity	Meets Requirements
> = 99.999% Based On Trace Metals Analysis	
Aluminum (Al)	
Antimony (Sb)	
Arsenic (As)	
Barium (Ba)	
Beryllium (Be)	
Bismuth (Bi)	
Boron (B)	
Cadmium (Cd)	
Calcium (Ca)	
Cerium (Ce)	
Cesium (Cs)	
Chromium (Cr)	
Cobalt (Co)	
Copper (Cu)	
Dysprosium (Dy)	
Erbium (Er)	
Europium (Eu)	
Gadolinium (Gd)	

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](http://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.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

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

Product Number:

225711

CAS Number:

7697-37-2

MDL:

MFCD00011349

Formula:

HNO<sub>3</sub>

Formula Weight:

63.01 g/mol



TEST	Specification
------	---------------

Gallium (Ga)	
Germanium (Ge)	
Gold (Au)	
Hafnium (Hf)	
Holmium (Ho)	
Indium (In)	
Iridium (Ir)	
Iron (Fe)	
Lanthanum (La)	
Lead (Pb)	
Lithium (Li)	
Lutetium (Lu)	
Magnesium (Mg)	
Manganese (Mn)	
Mercury (Hg)	
Molybdenum (Mo)	
Neodymium (Nd)	
Nickel (Ni)	
Niobium (Nb)	
Osmium (Os)	
Palladium (Pd)	
Platinum (Pt)	
Potassium (K)	
Praseodymium (Pr)	
Rhenium (Re)	
Rhodium (Rh)	

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](http://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.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

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

Product Number:

225711

CAS Number:

7697-37-2

MDL:

MFCD00011349

Formula:

HNO<sub>3</sub>

Formula Weight:

63.01 g/mol



TEST	Specification
------	---------------

Rubidium (Rb)	
Ruthenium (Ru)	
Samarium (Sm)	
Scandium (Sc)	
Selenium (Se)	
Silicon (Si)	
Silver (Ag)	
Sodium (Na)	
Strontium (Sr)	
Tantalum (Ta)	
Tellurium (Te)	
Terbium (Tb)	
Thallium (Tl)	
Thorium (Th)	
Thulium (Tm)	
Tin (Sn)	
Titanium (Ti)	
Tungsten (W)	
Uranium (U)	
Vanadium (V)	
Ytterbium (Yb)	
Yttrium (Y)	
Zinc (Zn)	
Zirconium (Zr)	

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](http://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.