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## Product Specification

Product Name:

Nitric acid - puriss. p.a., reag. ISO, reag. Ph. Eur., for determinations with dithizone, ≥65%

Product Number:

30709

CAS Number:

7697-37-2



Formula:

HNO<sub>3</sub>

Formula Weight:

63,01 g/mol

TEST	Specification
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Appearance (Color)	Colorless to Almost Colorless
Appearance (Form)	Liquid
Appearance (Turbidity)	Clear
Assay	≥ 65 %
Sulphated Ash	≤ 0.0005 %
Application Test	Complying
Suitab.F.Det.W.Dithizone	
Silver (Ag)	≤ 0.01 ppm
Aluminum (Al)	≤ 0.05 ppm
Arsenic (As)	≤ 0.01 ppm
Barium (Ba)	≤ 0.01 ppm
Beryllium (Be)	≤ 0.01 ppm
Bismuth (Bi)	≤ 0.1 ppm
Calcium (Ca)	≤ 0.1 ppm
Cadmium (Cd)	≤ 0.01 ppm
Cobalt (Co)	≤ 0.01 ppm
Chromium (Cr)	≤ 0.02 ppm
Copper (Cu)	≤ 0.01 ppm
Iron (Fe)	≤ 0.1 ppm
Germanium (Ge)	≤ 0.05 ppm
Mercury (Hg)	≤ 0.01 ppm
Potassium (K)	≤ 0.05 ppm
Lithium (Li)	≤ 0.01 ppm
Magnesium (Mg)	≤ 0.1 ppm

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.



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TEST	Specification
Manganese (Mn)	≤ 0.01 ppm
Molybdenum (Mo)	≤ 0.02 ppm
Sodium (Na)	≤ 0.5 ppm
Nickel (Ni)	≤ 0.02 ppm
Lead (Pb)	≤ 0.01 ppm
Strontium (Sr)	≤ 0.01 ppm
Titanium (Ti)	≤ 0.1 ppm
Thallium (Tl)	≤ 0.05 ppm
Vanadium (V)	≤ 0.01 ppm
Zinc (Zn)	≤ 0.05 ppm
Zirconium (Zr)	≤ 0.1 ppm
Chloride (Cl)	≤ 0.5 ppm
Phosphate (PO <sub>4</sub> )	≤ 0.5 ppm
Sulfate	≤ 0.5 ppm

Specification: PRE.1.ZQ5.10000022149

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