

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global
Certificate Number. QMS42099

Catalogue Number	N/2272
Lot Number	2529322
Description	Nitric acid PrimarPlus
CAS Number	7697-37-2
Quality Test/Release Date	07/Mar/2025
Expiry Phrase	Use within 18 months of packing date
Country of Origin	France

Result Name	Units	Specifications	Test Value
Aluminium (Al)	ppm	<= 0.1	<0.02
Antimony (Sb)	ppm	<= 0.005	<0.005
Arsenic (As)	ppm	<= 0.005	<0.005
Assay	%	>= 68	69.44
Barium (Ba)	ppm	<= 0.05	<0.005
Beryllium (Be)	ppm	<= 0.005	<0.005
Bismuth (Bi)	ppm	<= 0.005	<0.005
Boron (B)	ppm	<= 0.005	<0.005
Cadmium (Cd)	ppm	<= 0.002	<0.002
Calcium (Ca)	ppm	<= 0.05	<0.05
Chemical form		Mobile liquid	Mobile liquid
Chromium (Cr)	ppm	<= 0.005	<0.005
Copper (Cu)	ppm	<= 0.005	<0.005
Gallium (Ga)	ppm	<= 0.005	<0.005
Germanium (Ge)	ppm	<= 0.005	<0.005
Indium (In)	ppm	<= 0.005	<0.005
Iron (Fe)	ppm	<= 0.05	<0.05
Lead (Pb)	ppm	<= 0.002	<0.002
Lithium (Li)	ppm	<= 0.002	<0.002
Magnesium (Mg)	ppm	<= 0.02	<0.01
Manganese (Mn)	ppm	<= 0.002	<0.002
Mercury (Hg)	ppm	<= 0.005	<0.005
Molybdenum (Mo)	ppm	<= 0.002	<0.002
Nickel (Ni)	ppm	<= 0.002	<0.002
Potassium (K)	ppm	<= 0.02	<0.02
Residue after ignition	%	<= 0.0002	0.0002
Selenium (Se)	ppm	<= 0.002	<0.002
Silver (Ag)	ppm	<= 0.005	<0.002
Sodium (Na)	ppm	<= 0.1	<0.05
Strontium (Sr)	ppm	<= 0.002	<0.002
Thallium (Tl)	ppm	<= 0.005	<0.005
Tin (Sn)	ppm	<= 0.005	<0.002
Titanium (Ti)	ppm	<= 0.002	<0.002
Total chloride (Cl)	%	<= 0.00002	<0.00002
Total phosphorus (P)	ppm	<= 0.05	<0.05
Total sulfur (S)	ppm	<= 0.2	<0.2
Vanadium (V)	ppm	<= 0.002	<0.002
Visual colour		Clear colourless	Clear colourless
Zinc (Zn)	ppm	<= 0.01	<0.01
Zirconium (Zr)	ppm	<= 0.005	<0.005

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.

A. Ganatra

Ashok Ganatra
Supervisor, QC

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