

## 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/2320
Lot Number	2529322
Description	Nitric acid low in Lead, Cadmium and Mercury AR For analysis
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	<= 0.05	<0.02
Arsenic (As)	ppm	<= 0.01	<0.005
Assay	%	>= 68 and <= 71	69.44
Barium (Ba)	ppm	<= 0.01	<0.005
Beryllium (Be)	ppm	<= 0.01	<0.005
Bismuth (Bi)	ppm	<= 0.05	<0.005
Cadmium (Cd)	ppm	<= 0.005	<0.002
Calcium (Ca)	ppm	<= 0.1	<0.05
Chemical form		Mobile liquid	Mobile liquid
Chromium (Cr)	ppm	<= 0.02	<0.005
Cobalt (Co)	ppm	<= 0.01	<0.005
Colour	APHA	<= 10	<5
Copper (Cu)	ppm	<= 0.02	<0.005
Germanium (Ge)	ppm	<= 0.02	<0.005
Iron (Fe)	ppm	<= 0.2	<0.05
Lead (Pb)	ppm	<= 0.01	<0.002
Lithium (Li)	ppm	<= 0.01	<0.002
Magnesium (Mg)	ppm	<= 0.05	<0.01
Manganese (Mn)	ppm	<= 0.01	<0.002
Mercury (Hg)	ppm	<= 0.005	<0.005
Molybdenum (Mo)	ppm	<= 0.01	<0.002
Nickel (Ni)	ppm	<= 0.02	<0.002
Phosphate (PO4)	ppm	<= 0.5	<0.5
Potassium (K)	ppm	<= 0.1	<0.02
Residue after ignition	%	<= 0.0005	<0.0001
Sodium (Na)	ppm	<= 0.2	<0.05
Strontium (Sr)	ppm	<= 0.01	<0.002
Sulfate (SO4) (ppm)	ppm	<= 1	<1
Thallium (Tl)	ppm	<= 0.02	<0.005
Titanium (Ti)	ppm	<= 0.02	<0.002
Total chloride (Cl)	%	<= 0.00002	<0.00002
Vanadium (V)	ppm	<= 0.01	<0.002
Visual colour		Clear colourless	Clear colourless
Zinc (Zn)	ppm	<= 0.02	<0.01
Zirconium (Zr)	ppm	<= 0.02	<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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