



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/2300 Lot Number 2533593

Description Nitric acid 1.42 SG AR For analysis

CAS Number 7697-37-2
Quality Test/Release Date 04/Apr/2025

Expiry Phrase Use within 18 months of packing date

Country of Origin France

Arsenic (As) Assay \$ = 0.01 Assay \$ = 8.8 and <= 70 Barium (Ba) Cadmium (Cd) Calcium (Ca) Cobalt (Co) Cobalt (Co) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Lead (Pb) Lead (Pb) Mercury (Hg) Mercury (Hg) Monosile (Ni) Ppm A = 0.02 A = 0.01 A = 0.02 A = 0.01 A = 0.02 A = 0.002 A = 0.005 A = 0.002 A = 0.005 A = 0.006 A = 0.006	Result Name	Units	Specifications	Test Value
Assay % >= 68 and <= 70 69.69 Barium (Ba) ppm <= 0.02 <0.005 Cadmium (Cd) ppm <= 0.01 <0.005 Claclium (Ca) ppm <= 0.05 <0.05 Chemical form Mobile liquid Mobile liquid Chromium (Cr) ppm <= 0.05 <0.005 Cobalt (Co) ppm <= 0.05 <0.005 Colour APHA <= 10 <5 Copper (Cu) ppm <= 0.05 <0.005 Iron (Fe) ppm <= 0.05 <0.005 Lithium (Li) ppm <= 0.05 <0.002 Lithium (Li) ppm <= 0.01 <0.002 Magnessium (Mg) ppm <= 0.02 <0.01 Magnessium (Mg) ppm <= 0.02 <0.01 Marcury (Hg) ppm <= 0.05 <0.002 Mercury (Hg) ppm <= 0.05 <0.002 Mickel (Ni) ppm <= 0.01 <0.002 Residue after ignition % <= 0.002 Residue after ignition % <= 0.01 <0.002 Silver (Ag) ppm <= 0.01 <0.002 Silver (Ag) ppm <= 0.01 <0.002 Sulfate (SO4) (ppm) ppm <= 0.01 <0.002 Total sulfur (S) ppm <= 0.01 <0.002 Total sulfur (S) ppm <= 0.01 <0.002 Visual colour (V) colour <0.002 Visual colour (V) colour <0.002 Visual colour (V) ppm <= 0.01 <0.002 Visual colour (V) ppm <= 0.01 <0.002 Visual colour (V) colour <0.002 Visual colour (V) ppm <= 0.01 <0.002 Visual colour (V) colour <0.002 Visual colour (V) ppm <= 0.01 <0.002 Visual colour (V) Clear colourless (Clear colourless)	Aluminium (Al)	ppm	<= 0.05	<0.02
Barium (Ba) ppm <= 0.02	Arsenic (As)	ppm	<= 0.01	<0.005
Cadmium (Cd) ppm <= 0.01	Assay	%	>= 68 and <= 70	69.69
Calcium (Ca) ppm <= 0.5 <0.05 Chemical form Mobile liquid Mobile liquid Chromium (Cr) ppm <= 0.05	Barium (Ba)	ppm	<= 0.02	<0.005
Chemical form Mobile liquid Mobile liquid Chromium (Cr) ppm <= 0.05	Cadmium (Cd)	ppm	<= 0.01	<0.002
Chromium (Cr) ppm <= 0.05 <0.005 Cobalt (Co) ppm <= 0.01	Calcium (Ca)	ppm	<= 0.5	<0.05
Cobalt (Co) ppm <= 0.01	Chemical form		Mobile liquid	Mobile liquid
Colour APHA <= 10 <5 Copper (Cu) ppm <= 0.05	Chromium (Cr)	ppm	<= 0.05	<0.005
Copper (Cu) ppm <= 0.05 <0.005 Iron (Fe) ppm <= 0.2	Cobalt (Co)	ppm	<= 0.01	<0.005
Iron (Fe) ppm <= 0.2 <0.05 Lead (Pb) ppm <= 0.05	Colour	APHA	<= 10	<5
Lead (Pb) ppm <= 0.05	Copper (Cu)	ppm	<= 0.05	<0.005
Lithium (Li) ppm <= 0.01	Iron (Fe)	ppm	<= 0.2	<0.05
Magnesium (Mg) ppm <= 0.2	Lead (Pb)	ppm	<= 0.05	<0.002
Manganese (Mn) ppm <= 0.02	Lithium (Li)	ppm	<= 0.01	<0.002
Mercury (Hg) ppm <= 0.05 <0.005 Molybdenum (Mo) ppm <= 0.01	Magnesium (Mg)	ppm	<= 0.2	<0.01
Molybdenum (Mo) ppm <= 0.01	Manganese (Mn)	ppm	<= 0.02	<0.002
Nickel (Ni) ppm <= 0.02 <0.002 Potassium (K) ppm <= 0.1	Mercury (Hg)	ppm	<= 0.05	<0.005
Potassium (K) ppm <= 0.1	Molybdenum (Mo)	ppm	<= 0.01	<0.002
Residue after ignition % <= 0.0005	Nickel (Ni)	ppm	<= 0.02	<0.002
Silver (Ag) ppm <= 0.01	Potassium (K)	ppm	<= 0.1	<0.02
Sodium (Na) ppm <= 0.5 <0.05 Strontium (Sr) ppm <= 0.01	Residue after ignition	%	<= 0.0005	0.0002
Strontium (Sr) ppm <= 0.01 <0.002 Sulfate (SO4) (ppm) ppm <= 1	Silver (Ag)	ppm	<= 0.01	<0.002
Sulfate (SO4) (ppm) ppm <= 1	Sodium (Na)	ppm	<= 0.5	<0.05
Tin (Sn) ppm <= 0.01	Strontium (Sr)	ppm	<= 0.01	<0.002
Titanium (Ti) ppm <= 0.01	Sulfate (SO4) (ppm)	ppm	<= 1	<1
Total chloride (Cl) % <= 0.00005	Tin (Sn)	ppm	<= 0.01	<0.002
Total phosphorus (P) ppm <= 0.2	Titanium (Ti)	ppm	<= 0.01	<0.002
Total sulfur (S) ppm <= 1 <0.2 Vanadium (V) ppm <= 0.01 <0.002 Visual colour Clear colourless Clear colourless	Total chloride (CI)	%	<= 0.00005	<0.00002
Vanadium (V) ppm <= 0.01	Total phosphorus (P)	ppm	<= 0.2	<0.05
Visual colour Clear colourless Clear colourless	Total sulfur (S)	ppm	<= 1	<0.2
	Vanadium (V)	ppm	<= 0.01	<0.002
Zinc (Zn) ppm <= 0.05 <0.01	Visual colour		Clear colourless	Clear colourless
	Zinc (Zn)	ppm	<= 0.05	<0.01

A. Ganatra

Ashok Ganatra





Supervisor, QC

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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.