

AC1618 Nitric acid, 69%, Ultratrace®, ppt-trace analysis grade



assay (acidimetric)	67 - 70 %	mercury (Hg)	max. 50 ppt
aluminium (Al)	max. 20 ppt	molybdenum (Mo)	max. 10 ppt
antimony (Sb)	max. 10 ppt	neodymium (Nd)	max. 1 ppt
arsenic (As)	max. 20 ppt	nickel (Ni)	max. 20 ppt
barium (Ba)	max. 10 ppt	niobium (Nb)	max. 1 ppt
beryllium (Be)	max. 10 ppt	palladium (Pd)	max. 20 ppt
bismuth (Bi)	max. 10 ppt	platinum (Pt)	max. 20 ppt
boron (B)	max. 10 ppt	potassium (K)	max. 10 ppt
cadmium (Cd)	max. 10 ppt	praseodymium (Pr)	max. 1 ppt
calcium (Ca)	max. 10 ppt	rhenium (Re)	max. 10 ppt
cerium (Ce)	max. 10 ppt	rhodium (Rh)	max. 10 ppt
cesium (Cs)	max. 10 ppt	rubidium (Rb)	max. 10 ppt
chromium (Cr)	max. 10 ppt	ruthenium (Ru)	max. 20 ppt
cobalt (Co)	max. 10 ppt	samarium (Sm)	max. 1 ppt
copper (Cu)	max. 10 ppt	scandium (Sc)	max. 10 ppt
dysprosium (Dy)	max. 1 ppt	silver (Ag)	max. 10 ppt
erbium (Er)	max. 1 ppt	sodium (Na)	max. 10 ppt
europium (Eu)	max. 1 ppt	strontium (Sr)	max. 10 ppt
gadolinium (Gd)	max. 1 ppt	tellurium (Te)	max. 1 ppt
gallium (Ga)	max. 10 ppt	terbium (Tb)	max. 1 ppt
germanium (Ge)	max. 10 ppt	thallium (Tl)	max. 10 ppt
gold (Au)	max. 20 ppt	thorium (Th)	max. 1 ppt
hafnium (Hf)	max. 10 ppt	thulium (Tm)	max. 1 ppt
holmium (Ho)	max. 1 ppt	tin (Sn)	max. 20 ppt
indium (In)	max. 1 ppt	titanium (Ti)	max. 10 ppt
iron (Fe)	max. 10 ppt	tungsten (W)	max. 10 ppt
lanthanum (La)	max. 1 ppt	uranium (U)	max. 1 ppt
lead (Pb)	max. 10 ppt	vanadium (V)	max. 10 ppt
lithium (Li)	max. 10 ppt	ytterbium (Yb)	max. 1 ppt
lutetium (Lu)	max. 1 ppt	yttrium (Y)	max. 1 ppt
magnesium (Mg)	max. 10 ppt	zinc (Zn)	max. 10 ppt
manganese (Mn)	max. 10 ppt	zirconium (Zr)	max. 10 ppt

ART. NO.	VOLUME	CONTAINER
AC16180250	250 ml	
AC16180500	500 ml	
AC16181000	1 l	

NITRIC ACID, 65%

- HNO₃
- M = 63,01 g/mol
- CAS [7697-37-2]
- EINECS-No.: 231-714-2
- Density: 1,41 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -31 °C
- Boiling point: 122 °C
- Vapour pressure: (20 °C) 9,4 hPa
- EC-Index-No.: 007-004-00-1
- ADP: 8 CO1 II UN 2031
- IMDG: 8 II UN 2031
- IATA/ICAO: 8 II UN 2031
- GHS-signal word: Danger
- GHS-H sentences: H314 - H272 - H290 - H331 - EUH071 -
- GHS-P sentences: P221 - P210 - P303 + P361 + P533 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2808 00 00 00
- Applications: oxidizing agent, synthesis of nitrates and organic nitro compounds, in pharma industry.
- Appearance: Incoloro

AC1599 Nitric acid, solution 65% w/w, EssentQ®



assay (acidimetric)	64 - 66 %	iron (Fe)	max. 1 ppm
chlorides (Cl)	max. 0,0001 %	lead (Pb)	max. 0,5 ppm
sulfates (SO ₄)	max. 0,0002 %	residue on ignition (as SO ₂)	max. 0,0005 %
arsenic (As)	max. 0,05 ppm		
calcium (Ca)	max. 5 ppm		
copper (Cu)	max. 0,5 ppm		
heavy metals (as Pb)	max. 0,5 ppm		

ART. NO.	VOLUME	CONTAINER
AC15991000	1 l	
AC15992500	2,5 l	
AC1599005P	5 l	
AC1599025P	25 l	

AC1601 Nitric acid, solution min. 65% w/w, ISO, Reag. Ph Eur, for determinations with dithizone



assay (acidimetric)	min. 65 %	iron (Fe)	max. 0,1 ppm
chlorides (Cl)	max. 0,00002 %	lead (Pb)	max. 0,01 ppm
fluorides (F)	max. 0,0001 %	lithium (Li)	max. 0,01 ppm
phosphates (as PO ₄)	max. 0,00002 %	magnesium (Mg)	max. 0,05 ppm
sulfates (SO ₄)	max. 0,00005 %	manganese (Mn)	max. 0,01 ppm
aluminium (Al)	max. 0,05 ppm	molybdenum (Mo)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm	nickel (Ni)	max. 0,02 ppm
barium (Ba)	max. 0,01 ppm	platinum (Pt)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm	potassium (K)	max. 0,1 ppm
bismuth (Bi)	max. 0,02 ppm	silver (Ag)	max. 0,01 ppm
cadmium (Cd)	max. 0,01 ppm	sodium (Na)	max. 0,2 ppm
calcium (Ca)	max. 0,1 ppm	strontium (Sr)	max. 0,01 ppm
chromium (Cr)	max. 0,02 ppm	thallium (Tl)	max. 0,02 ppm
cobalt (Co)	max. 0,01 ppm	titanium (Ti)	max. 0,02 ppm
copper (Cu)	max. 0,01 ppm	vanadium (V)	max. 0,01 ppm
gallium (Ga)	max. 0,05 ppm	zinc (Zn)	max. 0,02 ppm
germanium (Ge)	max. 0,02 ppm	zirconium (Zr)	max. 0,02 ppm
gold (Au)	max. 0,05 ppm	residue on ignition (as SO ₂)	max. 0,0003 %
heavy metals (as Pb)	max. 0,2 ppm	suitability for det. with dithizone.	passes test
indium (In)	max. 0,02 ppm		

ART. NO.	VOLUME	CONTAINER
AC16011000	1 l	
AC16011001	1 l	
AC16012500	2,5 l	
AC16012501	2,5 l	
AC1601005P	5 l	
AC1601025P	25 l	

A
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