



KENCRO

CHEMICALS

SPECIFICATIONS: NITRIC ACID (HNO₃)

Description

A clear, colourless, water white to slightly yellow aqueous solution; has a strong pungent odour; fumes in moist air; highly soluble in water with the evolution of heat; exposure to heat or sunlight promotes formation of oxides of nitrogen causing discoloration.

Physical Properties	Commercial Grade 42.0°Be
Specific Gravity at 20.0°C (68F)	1.40
Baume gravity at 15.5°C (60F)	42°Be Min
Nitric Acid (HNO ₃)	67.2% Min
Colour (A.P.H.A. units)	3 Max
Chemical Properties	Typical Values
Sulphate (as SO ₄)	1.0 ppm
Chloride (Cl)	0.5 ppm
Iron (Fe)	0.6 ppm
Heavy Metals (as Pb)	<0.8 ppm
Arsenic (As)	<1.0 ppm
Cadmium (Cd)	<0.12 ppm
Cobalt (Co)	<0.1 ppm
Copper (Cu)	<0.12 ppm
Mercury (Hg)	<0.003 ppm
Molybdenum (Mo)	<0.4 ppm
Nickel (Ni)	<0.3 ppm
Residue after Evaporation (wt. %)	0.003 (0.04 Max)
Residue after Ignition	8 ppm
Suspended Matter, Separated Matter, Sediment	None

SAFETY

As with any chemical, nitric acid requires care in handling. It is suggested that anyone involved with the procurement or handling of this chemical be familiar with the appropriate safety and handling precautions. Such information is available on the appropriate material and safety data sheet.

FOR FIRE, HEALTH, SAFETY, AND FIRST AID INFORMATION, PLEASE REFER TO MSDS

All statements, information, and data presented are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility

Note: All values are expressed on a weight basis as is.

SPEC#: OLF1A1

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