

Nitric Acid

HNO₃ 60%

Nitric Acid is a compound containing the molecules Hydrogen, Nitrogen and Oxygen. It is used in fertiliser and chemical manufacture.



Properties

Nitric Acid is a pale straw to colourless liquid with a strong odour, and is slightly viscous and corrosive. It is a powerful oxidising agent at higher concentrations.

CF manufactures Nitric Acid in the following strengths: 60% & 69%.

Uses

Most of CF Nitric Acid is combined with Ammonia to manufacture Ammonium Nitrate based fertilisers. Nitric Acid is also used in the chemical industry for the nitration of organic chemicals or inorganic metals. Typical uses are in the manufacture of dyestuffs, explosives, fungicides, catalysts, polymers and man made fibres. It is also used in water treatment, food processing and in the recovery of spent nuclear fuel. Its corrosive properties also enable its use in metal pickling, metal cleaning and plating applications as it will react with most metals. Combined with Hydrochloric Acid it produces a reagent which is one of the few that can dissolve platinum and gold.

Management Systems

CF manufactures and supplies Nitric Acid using systems and processes accredited to the following standards: - ISO 9001:2015 / ISO 14001:2015 / OHSAS 18001:2007. Making it a consistent and reliable supplier of high quality product. It is also a member of the Chemical Industry Association and subscribes to its Responsible Care Scheme.



Responsible
Care



CF Fertilisers UK Limited

Standard Sales Specification

CF Fertilisers UK Limited

Ref: CF Fertilisers/NA/60/COMM/Sales

Issue date: 24th August 2018

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Product:	Intermediate Strength Nitric Acid
Grade:	Commercial Grade, 60%
Specification number:	CF Fertilisers/NA/60/COMM/Sales
Product source:	Billingham, UK

Specification details

Parameter	Units	Value	Test
Strength	% w/w	60% ± 1	6/3/1/1 6/3/14
Density (20°C)	g/cm ³	1.362 – 1.372	6/3/14
Nitrous Acid	ppm w/w	200 max	6/3/2
Sulphur Acid (as SO ₄)	ppm w/w	100 max	6/3/7
Residue on ignition	ppm w/w	50 max	6/3/3
Iron	ppm w/w	10 max	6/3/4
Appearance	–	Colourless or pale straw liquid, free from suspended matter	6/3/11

For more information on purchasing any of our products or to access our specialist advice please visit: www.cffertilisers.co.uk/industrial, call us on: **01642 546800** or email: info@cffertilisers.co.uk

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