Nitric Acid

HNO | Commercial grades, 55% to 68%

PRODUCT OVERVIEW

Commercial nitric acid for fertilizers, explosives, metal pickling and etching, and chemical synthesis. Corrosive and, from 65%, an oxidiser: handle with full PPE and keep apart from fuels, organics and alkalis.

TYPICAL SPECIFICATION

Characteristic	Units	Typical value	Test method
HNO content	-	**55%, 60%, 65% or 68% min, by grade**	Acid-base titration
Density at 20 °C	-	**About 1.34 (55%) to 1.41 (68%) g/cm³**	Hydrometer / densimeter
Nitrous acid (as HNO)	-	**0.1–0.2% max**	Permanganate titration
Residue on ignition	-	**0.02% max**	Gravimetric
Iron (Fe)	-	**Low ppm; specified on high-purity grades**	ICP / colorimetric
Appearance	-	**Clear, colourless to pale yellow liquid**	Visual
Odour	-	**Sharp, acrid**	-

SUPPLY AND PACKING

UN-approved drums, IBCs and stainless steel or lined ISO tanks, shipped as class 8 dangerous goods (UN 2031, subsidiary 5.1 from 65%). FOB, CFR and CIF on request; pack sizes and loads are confirmed with each offer.

DOCUMENTATION

Every shipment includes a Certificate of Analysis. Certificate of Origin and MSDS are available on request. Destination-specific import or phytosanitary documentation is confirmed where applicable.

NOTICE

Values are typical and published for reference; they are not a certificate of analysis. Agree the specification of the offered batch, the packing and any destination requirements before ordering.