



**BOUBYAN INTERNATIONAL COMPANY**

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**PRODUCT: NITRIC ACID**

**Specifications Nitric Acid 72%**

Total Acidity (as HNO <sub>3</sub> ) Present age by Mass (Minimum)	72.0%
Nitrous Acid (as HNO <sub>2</sub> ) Percentage by mass (maximum)	0.1
Chlorides (as Cl) Percentage by mass (maximum)	0.002
Sulphates(asH <sub>2</sub> SO <sub>4</sub> ) Percentage by mass (maximum)	0.005
Residue on ignition Percentage by mass (maximum)	0.05

**The Important uses of Nitric Acid are as follows**

- 1) Nitric acid plays a significant role in the manufacture of various

products such as Explosives like trinitrotoluene (T.N.T.) nitro glycerin, gun cotton, ammonal etc. Fertilizers such as calcium nitrate, ammonium nitrate etc. Nitrate salts such as calcium nitrate, silver nitrate, ammonium nitrate. Dyes, perfumes, drugs etc. from coal tar products. Sulphur acid by Lead Chamber process.

- 2) It is used in the purification of silver, gold, platinum etc.
- 3) Nitric acid is used in etching designs on copper, brass, bronze ware etc.
- 4) It is used to prepare "aqua regia" to dissolve the noble elements.
- 5) It is used as a laboratory reagent.

