

Product Data Sheet



Nitric acid 64%

Product Description

Nitric acid (HNO_3) is a high corrosive and strong acid made from respectively the oxidation of ammonia to form nitrogen oxide and the reaction of nitrogen oxides with water. The pure compound is colorless, but concentrated HNO_3 tend to acquire a brownish yellow cast due to decomposition into oxides of nitrogen and water. Nitric acid is commonly used as an oxidizing agent reacting with many materials.

Applications:

Nowdays the main use of nitric acid is for the production of fertilizers, such as nitrate, nitrophosphat, mixed fertilizers and Furthermore, it is most commonly applied for producing mineral and organic nitrates, dissolution of the plated industrial equipments, making materials much more resistant to corrosion, dissolving of gold and silver, and electrolysis. It is also used in arms, diary, and plastic manufacturing industries.

Property	Specification	Analytical Method	Typical Value
Purity. Wt%	Min. 60	ASTM E1584	62
HNO_2 , ppm by weight	Max. 1500	PTM 1785	10
Residue on ignition, wt.%	Max. 0.03	ASTM D7348	Trace
Fe (ppm by weight)	Max. 10	ASTM D2790	7