



Changsha RuiYang Material Co., Ltd.
长沙金睿洋新材料有限公司

Technical Data Sheet

Nitric Acid

Product: Nitric Acid
Molecular Formula: HNO₃ (aq)
Molecular Weight: 63.01 g/mol
Cas No.: 7697-37-2
Density: 1.51 g/cm³ (at 68%)
UN No. UN 2031, **Class** 8 (5.1), **PG** II
HS Code: 28080000

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
HNO ₃ content	≥68.0%	≥65.0%	68.5%
Residue on ignition	≤0.02%	≤0.05%	0.015%
Chloride (Cl)	≤0.5 ppm	≤2 ppm	0.3 ppm
Sulfate (SO ₄)	≤2 ppm	≤5 ppm	1 ppm
Iron (Fe)	≤2 ppm	≤5 ppm	1 ppm
Heavy metals (as Pb)	≤2 ppm	≤5 ppm	1 ppm

Chemical Properties

Chemical Properties: Colorless to slightly yellow fuming liquid. Density: 1.51 g/cm³ (at 68%).