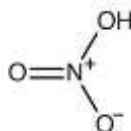


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

NITRIC ACID 69 % AR

Azotic Acid, Hydrogen Nitrate, Acidium Nitricum



Product Code	A-2021	Grade	Analytical Reagent
Purity	69%	CAS No	7697-37-2
Molecular Formula	HNO ₃	Molecular Weight	63.01 g/mol
H.S.Code	2808.0010	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	colourless
Odor	Stinging	Boiling point	122 °C at 1.013 hPa
Melting Point	-41 °C	Density	1,41 g/cm ³ at 20 °C
Vapour pressure	9,4 hPa at 20 °C		

Packaging

500 ml & 2500 ml

Specification

Appearance	Clear colourless and free from suspended matter or sediment
Assay (acidimetric)	69.0 – 70.0 %
Colour scale	max 10 Hazen
Wt.per ml at 20 °C	1.400 – 1.420 g/cm ³
Residue on ignition	max 0.0005 %
Chloride (Cl)	max 0.00005 %
Phosphate and silicate (as SiO ₂)	max 0.0001 %
Sulphate (SO ₄)	max 0.0001 %
Arsenic (As)	max 0.000001 %
Copper (Cu)	max 0.00001 %
Iron (Fe)	max 0.00002 %
Heavy metals (asPb)	max 0.00002 %
Manganese (Mn)	max 0.00004 %

Safety Information and Hazard Symbols



Symbol: GHS03, GHS05, GHS06

Signal Word: Danger

UN No.: 2031

IMCO Class No.: 8. 5,1

Packing Group: II

Hazardous Statement: H272-H290-H314-H331

Precaution Statement: P210-P220-P280-P303+P361+P353-P304+P340+P310-P305+P351+P338