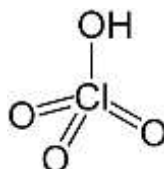


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

PERCHLORIC ACID 70% AR

Hyperchloric acid



Product Code	A-2014	Grade	Analytical Reagent
Purity	70%	CAS No	7601-90-3 mixture
Molecular Formula	HClO ₄	Molecular Weight	100,46 g/mol
H.S.Code	3822.9090	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Initial boiling point	1.013 hPa at 203°C
Colour	Clear Colorless	Vapor pressure	9,1 hPa at 25 °C
Odour	Odorless	Density [g/cm ³]	1.664 at 25 °C
Melting point	-18°C		

Packaging

500 ml & 2500 ml

Specification

Appearance	Clear colourless liquid
Assay (Acidimetric)	69.0 – 72.0 %
Wt. Per ml at 20°C	About 1.67 g/cm ³
Colour scale	max 10 Hazen
Chloride (Cl)	max 0.001 %
Heavy Metals (as Pb)	max 0.0001 %
Iron (Fe)	max 0.0001 %
Nitrogen compounds (as N)	max 0.001 %
Residu on ignition	max 0.003 %
Silicate and Phosphate (as SiO ₂)	max 0.0005 %
Sulphate (SO ₄)	max 0.001 %

Safety Information and Hazard Symbols



Symbol: GHS02, GHS03, GHS05, GHS08

Signal Word: Danger

UN No.: 1873

IMCO Class No.: 5.1,8

Packing Group: I

Hazardous Statement: H271-H290-H302-H314-H373

Precaution Statement: P210-P280-P301+P312-P303+P361+P353-P305+P351+P338-P314