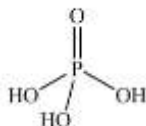


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

ORTHOPHOSPHORIC ACID 85 % EXTRAPURE

Orthophosphoric acid, o-Phosphoric acid



Product Code	A-2013	Grade	Extrapure
Purity	85%	CAS No	7664-38-2
Molecular Formula	H ₃ PO ₄	Molecular Weight	98.00 g/mol
H.S.Code	2809.2010	Shelf Life	60 Months

Physical Properties

Physical state	Clear	Boiling point [°C]	158 °C at 1.013 hPa
Odour	Odourless	Relative density [g/cm ³]	1,71 g/cm ³ at 20 °C
pH	< 0,5 at 100 g/l at 20 °C	Vapour density	2 hPa at 20 °C
Melting point/ Freezing point [°C]	21 °C	Solubility in water	at 20 °C soluble
Viscosity	kinematic: 30,5 mm ² /s at 20 °C		

Packaging

500 ml & 2500 ml

Specification

Appearance	Clear colorless viscous liquid
Assay (Acidimetric)	84.0-90.0 %
Wt. Per ml at 20 °C	About 1.71 g/cm ³
Appearance of solution	to comply the test
Identification	to comply the test
Solubility	to comply the test
Substances precipitated by NH ₃	to comply the test
Hypophosphorous acid and phosphorous acid	to comply the test
Alkali phosphate	to comply the test
Aluminium an calcium (Al, Ca)	to comply the test
Chloride (Cl)	max 0.005 %

Sulphate (SO ₄)	max 0.01 %
Arsenic (As)	max 0.0002 %
Iron (Fe)	max 0.005 %
Heavy metal (as Pb)	max 0.001 %

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

UN No.: 1805

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H290-H314

Precaution Statement: P280-P305+P351+P338-P310