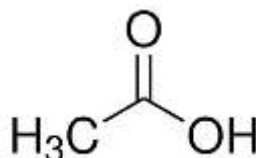


TIQ-F-QC-003

Rev.00

Technical Data Sheet**ACETIC ACID GLACIAL SUPRAPURE & P-TEST**

Methane carboxylic acid, Ethanoic acid



Product Code	A-2031	Grade	Extra Pure
Purity	99,7 %	CAS No	64-19-7
Molecular Formula	CH ₃ COOH	Molecular Weight	60.05 g/mol
H.S.Code	2915.2100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Vapour pressure [20°C]	20,79 hPa at 25 °C
Colour	Colorless	Vapour density	2.07
Odour	Stinging	Relative density [g/cm ³]	1,049 g/cm ³ at 25 °C
pH value	2,5 at 50 g/l at 20 °C	Solubility in water [% weight]	602,9 g/l at 25 °C at 1.013 hPa
Melting point/ Freezing point [°C]	16.2 °C	Partition coefficient Log Pow octanol / water at 25°C	-0.17
Auto-ignition temperature [°C]	463 °C	Explosion limits - upper [%]	19.9 %
Flash point [°C]	39 °C	Explosion limits -lower [%]	4 %
Boiling point [°C]	117 - 118 °C		

Packaging

2500 ml

Specification

Appearance	A clear colourless volatile liquid
Assay (acidimetric)	min 99.7 %
Solubility	miscible with water with ethanol (96%) and with methylene chloride forming a clear & colourless solution
Identification	passes tests (A & B)
Colour	max 10 Hazen
Water insoluble substances	passes test
Wt.per ml at 20 °C	1.047 – 1.050 g/cm ³
Freezing point	min 15.6 °C

Non-volatile matter	max 0.01 %
Formate content (HCOO)	max 0.01 %
Chloride (Cl)	max 0.0001%
Sulphate (SO ₄)	max 0.0001 %
Arsenic (As)	max 0.0001%
Iron (Fe)	max 0.00002 %
Lead (Pb)	max 0.00005 %
Copper (Cu)	max 0.0005 %
Zinc (Zn)	max 0.0005 %
Cadmium (Cd)	max 0.00001 %
Acetaldehyde (CH ₃ CHO)	max 0.0002 %
Acetic anhydride (CH ₃ CO) ₂ O	max 0.2 %
Water (by KF)	max 0.2 %
Indifference to chromic acid test	passes test
Substance reducing permanganate (P-test)	passes test
Substance reducing dichromate	Passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05

Signal Word: Danger

UN No.: 2789

IMCO Class No.: 8,3

Packing Group: II

Hazardous Statement: H226-H314

Precaution Statement: P210+P361+P353-P305+P351+P338+P310