



Product Specification

Product Name: ACETIC ACID Glacial AR

Alternate Name(s) Ethanoic acid, Vinegar acid, Methanecarboxylic acid.

Description

Clear, colourless liquid with a pungent odour.

Properties

Chemical Formula: CH₃COOH

Molecular Weight: 60.05

Product Code: AA009

CAS No. 64-19-7

General Information:

Colourless liquid with a pungent odour. Miscible with water, alcohol, glycerin and ether. Corrosive to lead and most other metals.

Hazard and Safety Data

UN Group: II
Class: 8
UN Number: 2789
Hazchem code: 2P
CS MSDS Code: 1CH0J
Poison schedule: S6
Emergency Procedure Guide No.: 19

Quality Specification

Typical Assay: 99.7% min.

Specific Properties and Impurities [Typical Levels]

Melting Point (°C)	16.63°C	Flash Point (°C)	40
Specific Gravity	1.0492	Boiling point	118°C
Colour (APHA)	≤ 10	Dilution test	Passes test
Residue after evaporation	≤ 0.0005%	Acetic anhydride [(CH ₃ CO) ₂]	≤ 0.01%
Chloride (Cl)	≤ 0.00005%	Sulfate (SO ₄)	≤ 0.00005%
Heavy Metals (as Pb)	≤ 0.00005%	Substances reducing dichro	Passes test
Substances reducing perma	Passes test	Titrate base	≤ 0.0004 meq/g
Solubility in water	Passes test	Acetaldehyde	≤ 0.005%
Arsenic and Antimony (as A)	≤ 0.000001%	Aluminium (Al)	≤ 0.00001%
Barium (Ba)	≤ 0.00005%	Boron (B)	≤ 0.00001%
Cadmium (Cd)	≤ 0.000002%	Calcium (Ca)	≤ 0.00003%
Cobalt (Co)	≤ 0.000001%	Chromium (Cr)	≤ 0.00002%
Copper (Cu)	≤ 0.000002%	Gold (Au)	≤ 0.00003%
Iron (Fe)	≤ 0.00002%	Lead (Pb)	≤ 0.000002%
Magnesium (Mg)	≤ 0.00001%	Manganese (Mn)	≤ 0.000001%
Molybdenum (Mo)	≤ 0.000002%	Nickel (Ni)	≤ 0.000002%
Potassium (K)	≤ 0.00003%	Sodium (Na)	≤ 0.00003%
Strontium (Sr)	≤ 0.000001%	Tin (Sn)	≤ 0.00001%
Titanium (Ti)	≤ 0.00003%	Zinc (Zn)	≤ 0.00001%

CONFORMS TO ACS

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