

Acetic Acid

Industrial acid and solvent

Product Description

Acetic Acid (glacial and dilute) is an industrial acid used as a solvent, acidulant and chemical intermediate in pharmaceutical, food and chemical manufacturing.

Certificate of Analysis

HSN Code: 2915.21

CAS Number: 64-19-7

Classification: Hazardous – Corrosive Liquid

Parameter	Specification	Test Method
Appearance	Clear colorless liquid	Visual
Assay (Acetic Acid)	"e 99.5 %	Gas Chromatography (GC)
Density at 20°C	1.049–1.051 g/cm³	ASTM D4052
Water Content	"d 0.5 %	Karl Fischer
Color (APHA)	"d 10	Hazen scale
Formic Acid	"d 0.05 %	Titration
Heavy Metals (as Pb)	"d 5 ppm	ICP-MS
Distillation Range	116–120°C	ASTM D1078

Physical Properties

Appearance: Clear colorless liquid

Odor: Pungent, vinegar-like characteristic odor

Molecular Formula: CH_3COOH

Molecular Weight: 60.05 g/mol

Solubility: Miscible with water and most organic solvents

Density: 1.049 g/cm³ at 20°C

Melting Point: 16.6°C

Boiling Point: 118.1°C

Packing: 200 kg steel drums (HDPE-lined); ISO tank containers; IBC containers

Storage: Store in cool, dry, well-ventilated area away from heat, sparks, and open flames. Keep away from oxidizers and b

Safety & Handling

PPE: Chemical-resistant gloves, safety goggles, face shield, acid-resistant apron

Hazards:

- Flammable liquid and vapor
- Causes severe skin burns and eye damage
- Harmful by inhalation