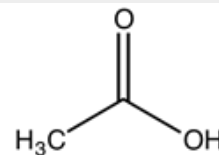


Acetic acid glacial, for analysis, ExpertQ®, ACS, ISO, packed in HDPE bottles
Identification

CH₃COOH
M = 60,05 g/mol
CAS [64-19-7]
EC number: 200-580-7
Taric code: 2915 21 00


Synonyms

Methane carboxylic acid, Methylformic acid

Applications

laboratory reagent, synthesis of organic products, in the rubber industry, in food industry.

Specifications

assay (acidimetric).....	min. 99,8 %	iron (Fe).....	max. 0,05 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,01 ppm
density (20°/4°).....	1,048 - 1,050	lithium (Li).....	max. 0,01 ppm
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 0,05 ppm
titrable base.....	max. 0,0004 meq/g	manganese (Mn).....	max. 0,01 ppm
dilution test.....	passes test	mercury (Hg).....	max. 0,005 ppm
miscibility with water.....	total	molybdenum (Mo).....	max. 0,01 ppm
chlorides (Cl).....	max. 0,00004 %	nickel (Ni).....	max. 0,02 ppm
phosphates (as PO ₄).....	max. 0,00004 %	platinum (Pt).....	max. 0,1 ppm
sulfates (SO ₄).....	max. 0,00004 %	potassium (K).....	max. 0,1 ppm
aluminium (Al).....	max. 0,02 ppm	silver (Ag).....	max. 0,005 ppm
arsenic (As).....	max. 0,01 ppm	sodium (Na).....	max. 0,2 ppm
barium (Ba).....	max. 0,01 ppm	strontium (Sr).....	max. 0,01 ppm
beryllium (Be).....	max. 0,005 ppm	thallium (Tl).....	max. 0,02 ppm
bismuth (Bi).....	max. 0,05 ppm	tin (Sn).....	max. 0,05 ppm
boron (B).....	max. 0,1 ppm	titanium (Ti).....	max. 0,05 ppm
cadmium (Cd).....	max. 0,02 ppm	vanadium (V).....	max. 0,01 ppm
calcium (Ca).....	max. 0,1 ppm	zinc (Zn).....	max. 0,03 ppm
chromium (Cr).....	max. 0,02 ppm	zirconium (Zr).....	max. 0,05 ppm
cobalt (Co).....	max. 0,01 ppm	acetaldehyde (CH ₃ CHO).....	max. 0,0002 %
copper (Cu).....	max. 0,01 ppm	acetic anhydride (CH ₃ CO) ₂ O.....	max. 0,01 %
gallium (Ga).....	max. 0,05 ppm	substances reducing KMnO ₄	passes test
germanium (Ge).....	max. 0,02 ppm	substances reducing K ₂ Cr ₂ O ₇	passes test
gold (Au).....	max. 0,01 ppm	substances reducing iodine.....	negative reaction
heavy metals (as Pb).....	max. 0,5 ppm	residue on evaporation.....	max. 0,001 %
indium (In).....	max. 0,05 ppm	water (K.F.).....	max. 0,2 %

Physical data

- Density: 1,05 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 17 °C
- Boiling point: 117 °C
- Flash point: 39 °C
- Ignition temperature: 485 °C
- Vapour pressure: (20 °C) 15,4 hPa
- Refraction index: (20 °C) 1,37
- Expl. limit (upper): 19,9 Vol%
- Expl. limit (lower): 4 Vol%
- pH(50 g/l H₂O, 20 °C) 2,5

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H314: Causes severe skin burns and eye damage.

H226: Flammable liquid and vapour.

Precautionary Statements:

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.

P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor / physician.

P370+P378: In case of fire: Use ... for extinction.

P405: Store locked up.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 CF1 II • UN 2789 • ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION
- IMDG: 8 II • UN 2789 • ACETIC ACID, GLACIAL
- IATA/ICAO: 8 II • UN 2789 • ACETIC ACID, GLACIAL
- PAX: 809
- CAO: 813
- 10°C - 30°C