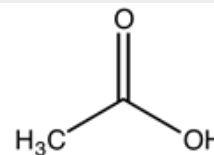


Identification

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

analytical chemistry, synthesis of organic products, acidifying agent, for pharmaceuticals synthesizing, in food industry.

Specifications

assay (acidimetric).....	min. 96 %	lead (Pb).....	max. 0,02 ppm
insoluble in water.....	passes test	lithium (Li).....	max. 0,01 ppm
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 0,05 ppm
chlorides (Cl).....	max. 0,00005 %	manganese (Mn).....	max. 0,01 ppm
phosphates (as PO ₄).....	max. 0,00005 %	molybdenum (Mo).....	max. 0,02 ppm
sulfates (SO ₄).....	max. 0,00005 %	nickel (Ni).....	max. 0,02 ppm
aluminium (Al).....	max. 0,05 ppm	platinum (Pt).....	max. 0,1 ppm
arsenic (As).....	max. 0,01 ppm	potassium (K).....	max. 0,1 ppm
barium (Ba).....	max. 0,01 ppm	silver (Ag).....	max. 0,01 ppm
beryllium (Be).....	max. 0,02 ppm	sodium (Na).....	max. 0,5 ppm
bismuth (Bi).....	max. 0,1 ppm	strontium (Sr).....	max. 0,01 ppm
boron (B).....	max. 0,1 ppm	thallium (Tl).....	max. 0,05 ppm
cadmium (Cd).....	max. 0,05 ppm	tin (Sn).....	max. 0,05 ppm
calcium (Ca).....	max. 0,2 ppm	titanium (Ti).....	max. 0,1 ppm
chromium (Cr).....	max. 0,02 ppm	vanadium (V).....	max. 0,01 ppm
cobalt (Co).....	max. 0,01 ppm	zinc (Zn).....	max. 0,05 ppm
copper (Cu).....	max. 0,02 ppm	zirconium (Zr).....	max. 0,1 ppm
gallium (Ga).....	max. 0,05 ppm	acetaldehyde (CH ₃ CHO).....	max. 0,0002 %
germanium (Ge).....	max. 0,05 ppm	acetic anhydride (CH ₃ CO) ₂ O.....	max. 0,01 %
gold (Au).....	max. 0,01 ppm	substances reducing KMnO ₄	passes test
indium (In).....	max. 0,05 ppm	substances reducing K ₂ Cr ₂ O ₇	passes test
iron (Fe).....	max. 0,1 ppm	substances reducing iodine.....	negative reaction
		residue on evaporation.....	max. 0,0005 %

Physical data

- Density: ~ 1,05 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 17 °C
- Boiling point: 117 °C
- Flash point: 43 °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

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H226: Flammable liquid and vapour.
H312: Harmful in contact with skin.


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