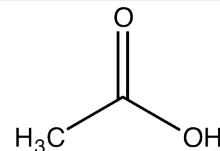


Identification

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 %	lithium (Li).....	max. 0,000001 %
insoluble in water.....	passes test	magnesium (Mg).....	max. 0,000005 %
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,000001 %
chlorides (Cl).....	max. 0,00005 %	molybdenum (Mo).....	max. 0,000002 %
phosphates (as PO ₄).....	max. 0,00005 %	nickel (Ni).....	max. 0,000002 %
sulfates (SO ₄).....	max. 0,00005 %	platinum (Pt).....	max. 0,00001 %
aluminium (Al).....	max. 0,000005 %	potassium (K).....	max. 0,00001 %
arsenic (As).....	max. 0,000001 %	silver (Ag).....	max. 0,000001 %
barium (Ba).....	max. 0,000001 %	sodium (Na).....	max. 0,00005 %
beryllium (Be).....	max. 0,000002 %	strontium (Sr).....	max. 0,000001 %
bismuth (Bi).....	max. 0,00001 %	thallium (Tl).....	max. 0,000005 %
boron (B).....	max. 0,00001 %	tin (Sn).....	max. 0,000005 %
cadmium (Cd).....	max. 0,000005 %	titanium (Ti).....	max. 0,00001 %
calcium (Ca).....	max. 0,00002 %	vanadium (V).....	max. 0,000001 %
chromium (Cr).....	max. 0,000002 %	zinc (Zn).....	max. 0,000005 %
cobalt (Co).....	max. 0,000001 %	zirconium (Zr).....	max. 0,00001 %
copper (Cu).....	max. 0,000002 %	acetaldehyde (CH ₃ CHO).....	max. 0,0002 %
gallium (Ga).....	max. 0,000005 %	acetic anhydride (CH ₃ CO) ₂ O.....	max. 0,01 %
germanium (Ge).....	max. 0,000005 %	substances reducing KMnO ₄	passes test
gold (Au).....	max. 0,000001 %	substances reducing K ₂ Cr ₂ O ₇	passes test
indium (In).....	max. 0,000005 %	substances reducing iodine.....	negative reaction
iron (Fe).....	max. 0,00001 %	residue on evaporation.....	max. 0,0005 %
lead (Pb).....	max. 0,000002 %		

Packaging
Packaging Code

1 l  AC03541000
1 l  AC03541000

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.
P241: Use explosion-proof electrical / ventilating / lighting / equipment.
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.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 3310 mg/kg
- MAK: 10 ml/m³, 25 mg/m³
- WGK: 1
- Poison class CH (Swiss): 3

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
- Store between 15°C and 25°C