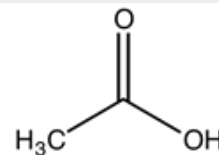


**Acetic acid glacial, min. 99,8%, for analysis, ExpertQ®, according to Wijs**
**Identification**

CH<sub>3</sub>COOH  
 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 %	lithium (Li).....	max 0,01 ppm
identity (IR-spectrum).....	passes test	magnesium (Mg).....	max. 0,05 ppm
density (20°/4°).....	1,048 - 1,050	manganese (Mn).....	max 0,01 ppm
colour (Hazen).....	max. 10	mercury (Hg).....	max. 0,005 ppm
chlorides (Cl).....	max. 0,4 ppm	molybdenum (Mo).....	max 0,01 ppm
phosphates (as PO <sub>4</sub> ).....	max. 0,4 ppm	nickel (Ni).....	max. 0,02 ppm
sulfates (SO <sub>4</sub> ).....	max. 0,4 ppm	platinum (Pt).....	max. 0,1 ppm
aluminium (Al).....	max. 0,05 ppm	potassium (K).....	max. 0,1 ppm
arsenic (As).....	max 0,01 ppm	silver (Ag).....	max. 0,005 ppm
barium (Ba).....	max 0,01 ppm	sodium (Na).....	max. 0,2 ppm
beryllium (Be).....	max. 0,005 ppm	strontium (Sr).....	max 0,01 ppm
bismuth (Bi).....	max. 0,05 ppm	thallium (Tl).....	max. 0,02 ppm
cadmium (Cd).....	max. 0,02 ppm	tin (Sn).....	max. 0,05 ppm
calcium (Ca).....	max. 0,1 ppm	titanium (Ti).....	max. 0,05 ppm
chromium (Cr).....	max. 0,02 ppm	vanadium (V).....	max 0,01 ppm
cobalt (Co).....	max 0,01 ppm	zinc (Zn).....	max. 0,03 ppm
copper (Cu).....	max 0,01 ppm	zirconium (Zr).....	max. 0,05 ppm
gallium (Ga).....	max. 0,05 ppm	acetaldehyde (CH <sub>3</sub> CHO).....	max. 2 ppm
germanium (Ge).....	max. 0,02 ppm	acetic anhydride (CH <sub>3</sub> CO) <sub>2</sub> O.....	max. 0,01 %
gold (Au).....	max 0,01 ppm	reducing substances.....	passes test
heavy metals (as Pb).....	max. 0,5 ppm	substances reducing K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> .....	passes test
indium (In).....	max. 0,05 ppm	indifference to chromic acid.....	passes test
iron (Fe).....	max. 0,05 ppm	residue on evaporation.....	max. 5 ppm
lead (Pb).....	max 0,01 ppm	water (K.F.).....	max. 0,2 %

**Physical data**

- Density: 1,05 g/cm<sup>3</sup>
- 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 H<sub>2</sub>O, 20 °C) 2,5

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- 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.



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**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
- 15°C - 25°C