

Acetic acid glacial, eluent additive for LC-MS

Identification

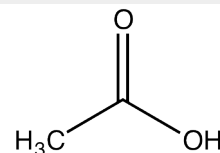
 CH_3COOH

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

Specifications

assay (acidimetric)..... min. 99,9 %
identity (IR-spectrum)..... passes test
aluminium (Al)..... max. 0,05 ppm
barium (Ba)..... max. 0,05 ppm
cadmium (Cd)..... max. 0,05 ppm
calcium (Ca)..... max. 0,5 ppm
chromium (Cr)..... max. 0,05 ppm
cobalt (Co)..... max. 0,05 ppm
copper (Cu)..... max. 0,05 ppm
iron (Fe)..... max. 0,2 ppm
lead (Pb)..... max. 0,05 ppm
lithium (Li)..... max. 0,05 ppm

magnesium (Mg)..... max. 0,1 ppm
manganese (Mn)..... max. 0,05 ppm
molybdenum (Mo)..... max. 0,05 ppm
nickel (Ni)..... max. 0,05 ppm
potassium (K)..... max. 0,1 ppm
silver (Ag)..... max. 0,05 ppm
sodium (Na)..... max. 0,5 ppm
strontium (Sr)..... max. 0,05 ppm
thallium (Tl)..... max. 0,05 ppm
zinc (Zn)..... max. 0,05 ppm

suitability for use in LC-MS..... passes test

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

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.

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