

Acetic acid glacial, Ultratrace®, ppb-trace analysis grade

Identification

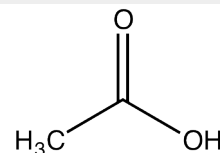
 CH_3COOH

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 %	lutetium (Lu).....	max. 0,1 ppb
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 0,5 ppb
chlorides (Cl).....	max. 0,0001 %	manganese (Mn).....	max. 0,5 ppb
phosphates (as PO ₄).....	max. 0,0001 %	mercury (Hg).....	max. 1 ppb
sulfates (SO ₄).....	max. 0,00005 %	molybdenum (Mo).....	max. 0,5 ppb
substances reducing K ₂ Cr ₂ O ₇	passes test	neodymium (Nd).....	max. 0,1 ppb
substances reducing KMnO ₄	passes test	nickel (Ni).....	max. 0,5 ppb
aluminium (Al).....	max. 1 ppb	platinum (Pt).....	max. 0,5 ppb
antimony (Sb).....	max. 0,5 ppb	potassium (K).....	max. 1 ppb
arsenic (As).....	max. 0,5 ppb	praseodymium (Pr).....	max. 0,1 ppb
barium (Ba).....	max. 0,5 ppb	rhodium (Re).....	max. 0,1 ppb
beryllium (Be).....	max. 0,1 ppb	rhodium (Rh).....	max. 0,5 ppb
bismuth (Bi).....	max. 0,1 ppb	rubidium (Rb).....	max. 0,1 ppb
cadmium (Cd).....	max. 0,5 ppb	ruthenium (Ru).....	max. 0,5 ppb
calcium (Ca).....	max. 1 ppb	samarium (Sm).....	max. 0,1 ppb
cerium (Ce).....	max. 0,1 ppb	scandium (Sc).....	max. 0,1 ppb
cesium (Cs).....	max. 0,1 ppb	selenium (Se).....	max. 1 ppb
chromium (Cr).....	max. 1 ppb	silver (Ag).....	max. 1 ppb
cobalt (Co).....	max. 0,1 ppb	sodium (Na).....	max. 1 ppb
copper (Cu).....	max. 0,5 ppb	strontium (Sr).....	max. 0,5 ppb
dysprosium (Dy).....	max. 0,1 ppb	tellurium (Te).....	max. 0,5 ppb
erbium (Er).....	max. 0,1 ppb	terbium (Tb).....	max. 0,1 ppb
europium (Eu).....	max. 0,1 ppb	thallium (Tl).....	max. 0,1 ppb
gadolinium (Gd).....	max. 0,1 ppb	thorium (Th).....	max. 0,1 ppb
gallium (Ga).....	max. 0,1 ppb	thulium (Tm).....	max. 0,1 ppb
germanium (Ge).....	max. 0,5 ppb	tin (Sn).....	max. 0,5 ppb
hafnium (Hf).....	max. 0,1 ppb	titanium (Ti).....	max. 0,5 ppb
holmium (Ho).....	max. 0,1 ppb	tungsten (W).....	max. 0,5 ppb
indium (In).....	max. 0,1 ppb	uranium (U).....	max. 0,1 ppb
iron (Fe).....	max. 1 ppb	vanadium (V).....	max. 0,5 ppb
lanthanum (La).....	max. 0,1 ppb	ytterbium (Yb).....	max. 0,1 ppb
lead (Pb).....	max. 0,1 ppb	yttrium (Y).....	max. 0,1 ppb
lithium (Li).....	max. 0,1 ppb	zinc (Zn).....	max. 1 ppb
		zirconium (Zr).....	max. 0,1 ppb

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