Technical Datasheet

Article no.: 2290

Acetic acid (glacial) p. a., Reag. Ph. Eur., Reag. USP (min. 99.8 %)

CH_3COOH

For laboratory use.

Parameter	Value
CAS no.	64-19-7
Appearance/condition	Clear, colourless liquid
Melting point	16.5 – 17 °C
Boiling point	117 – 118 °C
Density	~1.05 g/ml
Molar mass	60.05 g/mol
Assay (acidimetric)	99.5 – 100.5 %
Identity	complies
Appearance of the solution	clear
Colour (APHA)	max. 10
Water miscibility	complies
Titrable base	complies
Substances reducing $KMnO_4$	complies
Density (20 °C)	1.0501 – 1.0520
Refractive index (20 °C)	1.3711 – 1.3730
Boiling point	118.3 – 118.8 °C
Freezing point	min. 16 °C
Residue on evaporation	max. 10 ppm
Formic acid (HCOOH)	max. 0.05 %
Acetic anhydride ($C_4H_6O_3$)	max. 100 ppm
Chloride (Cl)	max. 1 ppm
Carbonyl compounds (as CO)	max. 50 ppm

Th. Geyer GmbH & Co. KG
Dornierstr. 4-6
D-71272 Renningen
Tel.: +49 7159 1637-0
Fax: +49 7159 1637-710
sales@thgeyer.com
www.thgeyer.com

BW-Bank (Swift/BIC SOLADEST600)
IBAN DE85600501010002036302
Postbank Stuttgart (Swift/BIC PBNKDEFFXXX)
IBAN DE32600100700000020708

St.-Nr. 70093/40018 / USt-IdNr. DE147510304
Amtsgericht Stuttgart / HRA-Nr. 254140
Persönlich haftende Gesellschafterin:
Geyer Beteiligungsgesellschaft mbH
Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Ralf Streicher
Oliver-Alexander Geyer / André Meise

Technical Datasheet

Article no.: 2290

Acetic acid (glacial) p. a., Reag. Ph. Eur., Reag. USP (min. 99.8 %)

CH_3COOH

Parameter	Value
Phosphate (PO_4)	max. 0.5 ppm
Heavy metals (as Pb)	max. 0.5 ppm
Sulfate (SO_4)	max. 0.5 ppm
Silver (Ag)	max. 0.02 ppm
Aluminium (Al)	max. 0.05 ppm
Arsenic (As)	max. 0.1 ppm
Barium (Ba)	max. 0.1 ppm
Beryllium (Be)	max. 0.02 ppm
Bismuth (Bi)	max. 0.02 ppm
Calcium (Ca)	max. 0.2 ppm
Cadmium (Cd)	max. 0.05 ppm
Cobalt (Co)	max. 0.01 ppm
Chromium (Cr)	max. 0.03 ppm
Copper (Cu)	max. 0.01 ppm
Iron (Fe)	max. 0.2 ppm
Potassium (K)	max. 0.1 ppm
Lithium (Li)	max. 0.02 ppm
Magnesium (Mg)	max. 0.1 ppm
Manganese (Mn)	max. 0.01 ppm
Molybdenum (Mo)	max. 0.05 ppm
Sodium (Na)	max. 0.5 ppm
Nickel (Ni)	max. 0.03 ppm
Lead (Pb)	max. 0.02 ppm

Th. Geyer GmbH & Co. KG
Dornierstr. 4-6
D-71272 Renningen
Tel.: +49 7159 1637-0
Fax: +49 7159 1637-710
sales@thgeyer.com
www.thgeyer.com

BW-Bank (Swift/BIC SOLADEST600)
IBAN DE85600501010002036302
Postbank Stuttgart (Swift/BIC PBNKDEFFXXX)
IBAN DE32600100700000020708

St.-Nr. 70093/40018 / USt-IdNr. DE147510304
Amtsgericht Stuttgart / HRA-Nr. 254140
Persönlich haftende Gesellschafterin:
Geyer Beteiligungsgesellschaft mbH
Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Ralf Streicher
Oliver-Alexander Geyer / André Meise

Technical Datasheet

Article no.: 2290

Acetic acid (glacial) p. a., Reag. Ph. Eur., Reag. USP (min. 99.8 %)

CH_3COOH

Parameter	Value
Strontium (Sr)	max. 0.02 ppm
Titanium (Ti)	max. 0.1 ppm
Thallium (Tl)	max. 0.05 ppm
Vanadium (V)	max. 0.05 ppm
Zinc (Zn)	max. 0.05 ppm
Zirconium (Zr)	max. 0.1 ppm
Water (KF)	max. 1500 ppm
Acetaldehyde (C_2H_4O)	max. 500 ppm

Version no. 2

Th. Geyer GmbH & Co. KG
Dornierstr. 4-6
D-71272 Renningen
Tel.: +49 7159 1637-0
Fax: +49 7159 1637-710
sales@thgeyer.com
www.thgeyer.com

BW-Bank (Swift/BIC SOLADEST600)
IBAN DE85600501010002036302
Postbank Stuttgart (Swift/BIC PBNKDEFFXXX)
IBAN DE32600100700000020708

St.-Nr. 70093/40018 / USt-IdNr. DE147510304
Amtsgericht Stuttgart / HRA-Nr. 254140
Persönlich haftende Gesellschafterin:
Geyer Beteiligungsgesellschaft mbH
Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Ralf Streicher
Oliver-Alexander Geyer / André Meise