

## Specification Sheet

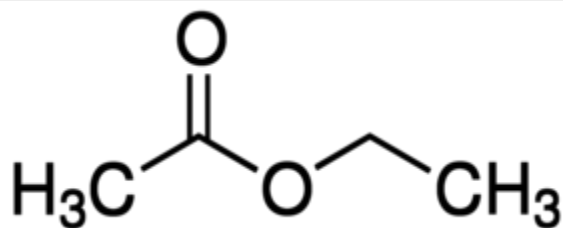
33211 Sigma-Aldrich

## Ethyl acetate

puriss. p.a., ACS reagent, reagent ISO, reagent Ph. Eur., ≥99.5% (GC)

Synonym: EtOAc

- CAS Number [141-78-6](#)
- Linear Formula  $\text{CH}_3\text{COOC}_2\text{H}_5$
- Molecular Weight 88.11
- Beilstein/REAXYS Number 506104
- EC Number [205-500-4](#)
- MDL number [MFCD00009171](#)
- PubChem Substance ID [329754471](#)



## Properties

Related Categories	<a href="#">Analytical Reagents</a> , <a href="#">Analytical Reagents for General Use</a> , <a href="#">Analytical/Chromatography</a> , <a href="#">E-L</a> , <a href="#">Puriss p.a. ACS</a> , <a href="#">Ethyl Acetate</a> ,
Quality Level	<a href="#">200</a>
grade	ACS reagent
Agency/Method	reagent ISO
	reagent Ph. Eur.
vapor density	3 (20 °C, vs air)
vapor pressure	73 mmHg ( 20 °C)



grade	puriss. p.a.
assay	≥99.5% (GC)
form	liquid
autoignition temp.	801 °F
expl. lim.	2.2-11.5 %, 38 °F
impurities	≤0.001% non-volatile matter
	≤0.0045% free acid (as CH <sub>3</sub> COOH)
	≤0.05% water (Karl Fischer)
	≤0.1% ethanol (GC)
	≤0.1% isobutylalcohol
	≤0.1% methanol
	≤0.1% methyl acetate
color	APHA: >10
refractive index	<i>n</i> <sub>20/D</sub> 1.3710-1.3730
	<i>n</i> <sub>20/D</sub> 1.3720 (lit.)
bp	76.5-77.5 °C (lit.)
mp	-84 °C (lit.)
density	0.902 g/mL at 25 °C (lit.)
cation traces	Al: ≤0.5 mg/kg



B:  $\leq 0.02$  mg/kg

Ba:  $\leq 0.1$  mg/kg

Bi:  $\leq 0.1$  mg/kg

Ca:  $\leq 0.5$  mg/kg

Cd:  $\leq 0.05$  mg/kg

Co:  $\leq 0.02$  mg/kg

Cr:  $\leq 0.02$  mg/kg

Cu:  $\leq 0.02$  mg/kg

Fe:  $\leq 0.1$  mg/kg

K:  $\leq 0.5$  mg/kg

Li:  $\leq 0.1$  mg/kg

Mg:  $\leq 0.1$  mg/kg

Mn:  $\leq 0.02$  mg/kg

Mo:  $\leq 0.1$  mg/kg

Na:  $\leq 0.5$  mg/kg

Ni:  $\leq 0.02$  mg/kg

Pb:  $\leq 0.1$  mg/kg

Sn:  $\leq 0.1$  mg/kg

Sr:  $\leq 0.1$  mg/kg



Zn: ≤0.1 mg/kg

SMILES string

CCOC(C)=O

suitability

passes test for reaction against H<sub>2</sub>SO<sub>4</sub>

InChI

1S/C4H8O2/c1-3-6-4(2)5/h3H2,1-2H3

InChI key

XEKOWRVHYACXOJ-UHFFFAOYSA-N

