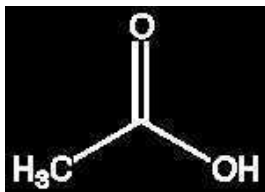


## AC0364 Acetic acid, solution 0,1 mol/l (0,1 N)

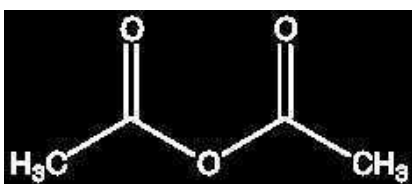


- $\text{CH}_3\text{COOH}$
- $M = 60,05 \text{ g/mol}$
- CAS [64-19-7]
- EINECS-No.: 200-580-7
- Density:  $\sim 1,002 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- EC-Index-No.: 607-002-00-6
- Tariff number: 2915 21 00 00
- Applications: analytical chemistry, acidifying agent, titrant in volumetric analysis.

factor . . . . . 0,999 - 1,001  
uncertainty  $\pm 0,001$   
1 ml = 0,006 g  $\text{CH}_3\text{COOH}$   
This volumetric solution was checked using a sodium hydroxide standard by means of potentiometric methods solution, that was also checked against Scharlab's potassium hydrogen phthalate volumetric standard. Scharlab's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
AC03641000	1 l	

## ACETIC ANHYDRIDE



- Synonyms: Acetyl oxide
- $(\text{CH}_3\text{CO})_2\text{O}$
- $M = 102,09 \text{ g/mol}$
- CAS [108-24-7]
- EINECS-No.: 203-564-8
- Density:  $1,08 \text{ g/cm}^3$
- Solub. in water: (20 °C): hydrolysis reaction
- Melting point:  $-73 \text{ }^\circ\text{C}$
- Boiling point:  $138 - 140,5 \text{ }^\circ\text{C}$
- Flash pt.  $49 \text{ }^\circ\text{C}$
- Ignition temp.:  $330 \text{ }^\circ\text{C}$
- Vapour pressure: (20 °C) 4hPa
- Refraction index: (n 20 °C/D) 1,3903

- LD 50 (oral, rat): 1780 mg/kg
- EC-Index-No.: 607-008-00-9
- ADR: 8 CF1 II UN 1715
- IMDG: 8 II UN 1715
- IATA/ICAO: 8 II UN 1715
- GHS-signal word: Danger
- GHS-H sentences: H314 - H226 - H302 - H332
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2915 24 00 00
- Applications: analytical chemistry, synthesis of organic products, acetylating agent.

## AN0154 Acetic anhydride, EssentQ®



assay (G.C.) . . . . .min. 98 %  
identity (IR-spectrum) . . . . .passes test  
density (20°/4°) . . . . . 1,079 - 1,082  
chlorides (Cl) . . . . .max. 0,001 %  
phosphates (as  $\text{PO}_4$ ) . . . . .max. 0,001 %  
sulfates ( $\text{SO}_4$ ) . . . . .max. 0,001 %  
copper (Cu) . . . . .max. 0,001 %

heavy metals (as Pb) . . . . .max. 0,001 %  
iron (Fe) . . . . .max. 0,001 %  
lead (Pb) . . . . .max. 0,001 %  
nickel (Ni) . . . . .max. 0,001 %  
residue on evaporation . . . . .max. 0,005 %

ART. NO.	VOLUME	CONTAINER
AN01541000	1 l	
AN01542500	2,5 l	
AN0154005P	5 l	
AN0154025A	25 l	

## AN0155 Acetic anhydride, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur

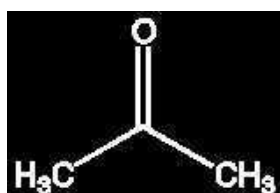


assay (G.C.) . . . . .min. 99 %  
identity (IR-spectrum) . . . . .passes test  
density (20°/4°) . . . . . 1,079 - 1,082  
boiling point . . . . . 136 - 142 °C  
colour (Hazen) . . . . .max. 10  
appearance . . . . .clear  
chlorides (Cl) . . . . .max. 0,0002 %  
phosphates (as  $\text{PO}_4$ ) . . . . .max. 0,0005 %  
sulfates ( $\text{SO}_4$ ) . . . . .max. 0,0005 %  
aluminium (Al) . . . . .max. 0,5 ppm  
barium (Ba) . . . . .max. 0,1 ppm  
boron (B) . . . . .max. 0,02 ppm  
cadmium (Cd) . . . . .max. 0,05 ppm  
calcium (Ca) . . . . .max. 0,5 ppm

chromium (Cr) . . . . .max. 0,05 ppm  
cobalt (Co) . . . . .max. 0,02 ppm  
copper (Cu) . . . . .max. 0,02 ppm  
heavy metals (as Pb) . . . . .max. 2 ppm  
iron (Fe) . . . . .max. 0,1 ppm  
lead (Pb) . . . . .max. 0,1 ppm  
magnesium (Mg) . . . . .max. 0,1 ppm  
manganese (Mn) . . . . .max. 0,02 ppm  
nickel (Ni) . . . . .max. 0,02 ppm  
tin (Sn) . . . . .max. 0,1 ppm  
zinc (Zn) . . . . .max. 0,1 ppm  
substances darkened by  $\text{H}_2\text{SO}_4$  . . . . .passes test  
substances reducing  $\text{KMnO}_4$  . . . . .passes test  
residue on evaporation . . . . .max. 0,002 %

ART. NO.	VOLUME	CONTAINER
AN01551000	1 l	
AN01552500	2,5 l	
AN0155005P	5 l	

## ACETONE



- Synonyms: Dimethyl ketone, 2-Propanone
- $\text{C}_3\text{H}_6\text{O}$
- $M = 58,08 \text{ g/mol}$
- CAS [67-64-1]
- EINECS-No.: 200-662-2
- Density:  $0,79 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point:  $-95 \text{ }^\circ\text{C}$
- Boiling point:  $56 \text{ }^\circ\text{C}$
- Flash pt.  $< -20 \text{ }^\circ\text{C}$
- Ignition temp.:  $540 \text{ }^\circ\text{C}$
- Vapour pressure: (20 °C) 233 hPa
- Refraction index: (n 20 °C/D) 1,3588

- Dielectric const.: (25°C) 20,7
- LD 50 (oral, rat): 5800 mg/kg
- EC-Index-No.: 606-001-00-8
- ADR: 3 F1 II UN 1090
- IMDG: 3 II UN 1090
- IATA/ICAO: 3 II UN 1090
- GHS-signal word: Danger
- GHS-H sentences: H225 - H319 - H336 - EUH066
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2914 11 00 00
- Applications: solvents, analytical chemistry, synthesis of organic products, photography.

A

B

C

D

E

F

G

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X

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