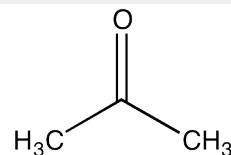


# Acetone, dried (max. 0,01% H<sub>2</sub>O), for analysis, ExpertQ®

## Identification

C<sub>3</sub>H<sub>6</sub>O  
M = 58,08 g/mol  
CAS [67-64-1]  
EC number: 200-662-2  
Tatic code: 2914 11 00



## Synonyms

Dimethyl ketone, 2-Propanone

## Applications

solvents, analytical chemistry, synthesis of organic products, photography.

## Specifications

|                                       |                   |                                             |               |
|---------------------------------------|-------------------|---------------------------------------------|---------------|
| assay (G.C.).....                     | min. 99,8 %       | germanium (Ge).....                         | max. 0,02 ppm |
| identity (IR-spectrum).....           | passes test       | gold (Au).....                              | max. 0,02 ppm |
| density (20°/4°).....                 | 0,787 - 0,791     | indium (In).....                            | max. 0,02 ppm |
| appearance of solution.....           | passes test       | iron (Fe).....                              | max. 0,1 ppm  |
| colour (Hazen).....                   | max. 10           | lead (Pb).....                              | max. 0,1 ppm  |
| solubility in water.....              | passes test       | lithium (Li).....                           | max. 0,05 ppm |
| insoluble in water.....               | passes test       | magnesium (Mg).....                         | max. 0,1 ppm  |
| acidity.....                          | max. 0,0002 meq/g | manganese (Mn).....                         | max. 0,02 ppm |
| alkalinity.....                       | max. 0,0002 meq/g | molybdenum (Mo).....                        | max. 0,02 ppm |
| chlorides (Cl).....                   | max. 0,00001 %    | nickel (Ni).....                            | max. 0,02 ppm |
| nitrites (NO <sub>2</sub> ).....      | max. 0,00001 %    | silver (Ag).....                            | max. 0,02 ppm |
| phosphates (as PO <sub>4</sub> )..... | max. 0,00001 %    | thallium (Tl).....                          | max. 0,02 ppm |
| sulfates (SO <sub>4</sub> ).....      | max. 0,00001 %    | tin (Sn).....                               | max. 0,1 ppm  |
| aluminium (Al).....                   | max. 0,5 ppm      | titanium (Ti).....                          | max. 0,02 ppm |
| antimony (Sb).....                    | max. 0,02 ppm     | vanadium (V).....                           | max. 0,02 ppm |
| arsenic (As).....                     | max. 0,02 ppm     | zinc (Zn).....                              | max. 0,1 ppm  |
| barium (Ba).....                      | max. 0,1 ppm      | zirconium (Zr).....                         | max. 0,02 ppm |
| beryllium (Be).....                   | max. 0,02 ppm     | aldehydes (as HCHO).....                    | max. 0,001 %  |
| bismuth (Bi).....                     | max. 0,02 ppm     | cyclohexane (G.C.).....                     | max. 0,1 %    |
| boron (B).....                        | max. 0,02 ppm     | alcohol diacetone (G.C.).....               | max. 0,02 %   |
| cadmium (Cd).....                     | max. 0,05 ppm     | ethanol (G.C.).....                         | max. 0,01 %   |
| calcium (Ca).....                     | max. 0,5 ppm      | methanol (G.C.).....                        | max. 0,05 %   |
| chromium (Cr).....                    | max. 0,02 ppm     | 2-propanol (G.C.).....                      | max. 0,05 %   |
| cobalt (Co).....                      | max. 0,02 ppm     | substances reducing KMnO <sub>4</sub> ..... | passes test   |
| copper (Cu).....                      | max. 0,02 ppm     | residue on evaporation.....                 | max. 0,0005 % |
| gallium (Ga).....                     | max. 0,02 ppm     | water (K.F.).....                           | max. 0,01 %   |

## Physical data

- Density: 0,79 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -95 °C
- Boiling point: 56 °C
- Flash point: < -20 °C
- Ignition temperature: 540 °C
- Vapour pressure: (20 °C) 233 hPa
- Refraction index: (n 20 °C/D) 1,3588
- Viscosity: (25 °C) 0,31 mPas
- Dipolar moment: (20 °C) 2,7 Debye
- Dielectric const.: (25 °C) 20,7
- Evap. heat: (56 °C) 521 KJ/kg
- Saturation conc.: (20 °C) 533 g/m<sup>3</sup>
- Expl. limit (upper): 13 Vol%
- Expl. limit (lower): 2,6 Vol%
- pH(395 g/l H<sub>2</sub>O, 20 °C) 5 - 6

## Safety - GHS

Signal Word: Danger

### Hazard Statements:

- H225: Highly flammable liquid and vapour.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
EUH066: Repeated exposure may cause skin dryness or cracking.



### 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.  
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: 3 F1 II • UN 1090 • ACETONE
- IMDG: 3 II • UN 1090 • ACETONE
- IATA/ICAO: 3 II • UN 1090 • ACETONE
- PAX: 305
- CAO: 307
- 10°C - 30°C