

# Technical Datasheet

**Article no.: 2680**

**Acetone p. a., ACS, ISO, Reag. Ph. Eur., Reag. USP (min. 99.8 %)**

CH<sub>3</sub>COCH<sub>3</sub>

For laboratory use.

Parameter	Value
CAS no.	67-64-1
Appearance/condition	Clear, colourless liquid
Melting point	-94 – -95 °C
Boiling point	55.6 – 56.7 °C
Density (20 °C)	0.788 – 0.793 g/ml
Molar mass	58.08 g/mol
Assay (GC)	min. 99.8 %
Appearance of solution	clear
Colour (APHA)	max. 10
Identity (IR)	complies
Water solubility	complies
Related substances (GC)	complies
Density (20 °C)	0.790 – 0.792
Refractive index (20 °C)	1.3581 – 1.3601
Boiling point	55.8 – 56.3 °C
Water (KF)	max. 0.2 %
Residue on evaporation	max. 10 ppm
Acidity	max. 0.0003 meq/g
Alkalinity	max. 0.0006 meq/g
Ethanol (C <sub>2</sub> H <sub>5</sub> OH)	max. 100 ppm
2-Propanol (C <sub>3</sub> H <sub>7</sub> OH)	max. 500 ppm
Methanol (CH <sub>3</sub> OH)	max. 500 ppm

# Technical Datasheet

**Article no.: 2680**

**Acetone p. a., ACS, ISO, Reag. Ph. Eur., Reag. USP (min. 99.8 %)**

CH<sub>3</sub>COCH<sub>3</sub>

Parameter	Value
Aldehydes	max. 10 ppm
Heavy metals (as Pb)	max. 0.2 ppm
Subst. reducing KMnO <sub>4</sub>	max. 2 ppm
Aluminium (Al)	max. 0.5 ppm
Boron (B)	max. 0.1 ppm
Barium (Ba)	max. 0.1 ppm
Calcium (Ca)	max. 0.5 ppm
Cadmium (Cd)	max. 0.05 ppm
Cobalt (Co)	max. 0.05 ppm
Chromium (Cr)	max. 0.02 ppm
Copper (Cu)	max. 0.01 ppm
Iron (Fe)	max. 0.1 ppm
Magnesium (Mg)	max. 0.02 ppm
Manganese (Mn)	max. 0.02 ppm
Nickel (Ni)	max. 0.01 ppm
Lead (Pb)	max. 0.01 ppm
Tin (Sn)	max. 0.1 ppm
Zinc (Zn)	max. 0.2 ppm
Benzene (C <sub>6</sub> H <sub>6</sub> )	max. 2 ppm
Diacetyl (C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> )	max. 500 ppm

Version no. 2