

Technical Datasheet

Article no.: 2654

Acetone p. a., ACS, Reag. Ph. Eur., Reag. BP, Reag. USP (min. 99.5 %)

CH₃COCH₃

For laboratory use.

CAS-No: 67-64-1
Appearance/condition: Clear, colourless liquid
Melting point: -94 – -95 °C
Boiling point: 55.6 – 56.7 °C
Density: 0.79 g/ml
Molar mass: 58.08 g/mol

Parameter	Value
Assay (GC, on anhydrous basis)	min. 99.5 %
Identity (IR)	complies
Appearance of the solution	complies
Solubility (5% in Water) Clear solution	complies
Insoluble matter in water	complies
Acidic/alkaline reacting substances	complies
Relative density (D ₂₀ /20 °C)	0.790 – 0.793
Reducing substances	complies
Oxidizing substances	complies
Related substances	complies
Ethanol (C ₂ H ₅ OH)	max. 0.05 % (v/v)
Methanol (CH ₃ OH)	max. 0.05 % (v/v)
2-Propanol (C ₃ H ₇ OH)	max. 0.05 % (v/v)
Benzene (C ₆ H ₆)	max. 0.0002 % (v/v)
Water (KF)	max. 0.3 % (w/w)

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Parameter	Value
Residue on evaporation	max. 0.004 % (w/w)
Other impurities	max. 0.05 %
Chromium (Cr)	max. 0.3 ppm
Copper (Cu)	max. 0.3 ppm
Iron (Fe)	max. 0.1 ppm
Iridium (Ir)	max. 0.1 ppm
Antimony (Sb)	max. 0.2 ppm
Molybdenum (Mo)	max. 0.2 ppm
Nickel (Ni)	max. 0.5 ppm
Osmium (Os)	max. 0.1 ppm
Palladium (Pd)	max. 0.1 ppm
Platinum (Pt)	max. 0.1 ppm
Rhodium (Rh)	max. 0.1 ppm
Ruthenium (Ru)	max. 0.1 ppm
Vanadium (V)	max. 0.1 ppm
Arsenic (As)	max. 0.2 ppm
Barium (Ba)	max. 0.5 ppm
Cadmium (Cd)	max. 0.2 ppm
Cobalt (Co)	max. 0.3 ppm
Gold (Au)	max. 0.1 ppm
Lead (Pb)	max. 0.5 ppm
Lithium (Li)	max. 0.5 ppm

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Parameter	Value
Mercury (Hg)	max. 0.1 ppm
Selenium (Se)	max. 0.5 ppm
Silver (Ag)	max. 0.7 ppm
Thallium (Tl)	max. 0.5 ppm
Tin (Sn)	max. 0.6 ppm

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