

# Technical Datasheet

**Article no.: 2632**

**Acetone VLSI (99.8 – 100.0 %)**

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, on anhydrous basis)	99.8 – 100.0 %
Colour (APHA)	max. 10
Residue on evaporation	max. 0.0003 % w/w
Water (KF)	max. 0.3 % w/w
Acidity (as CH <sub>3</sub> COOH)	max. 0.002 %
Alkalinity (as NH <sub>3</sub> )	max. 0.001 %
Chloride (Cl)	max. 0.2 ppm
Phosphate (PO <sub>4</sub> )	max. 0.05 ppm
Aluminium (Al)	max. 30 ppb
Arsenic (As)	max. 5 ppb
Gold (Au)	max. 20 ppb
Boron (B)	max. 10 ppb
Barium (Ba)	max. 20 ppb
Beryllium (Be)	max. 10 ppb
Bismuth (Bi)	max. 10 ppb
Calcium (Ca)	max. 25 ppb

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Cadmium (Cd)	max. 10 ppb
Cobalt (Co)	max. 10 ppb
Chromium (Cr)	max. 10 ppb
Copper (Cu)	max. 10 ppb
Iron (Fe)	max. 20 ppb
Gallium (Ga)	max. 10 ppb
Potassium (K)	max. 20 ppb
Lithium (Li)	max. 10 ppb
Magnesium (Mg)	max. 10 ppb
Manganese (Mn)	max. 10 ppb
Molybdenum (Mo)	max. 10 ppb
Sodium (Na)	max. 20 ppb
Niobium (Nb)	max. 20 ppb
Nickel (Ni)	max. 10 ppb
Lead (Pb)	max. 10 ppb
Antimony (Sb)	max. 5 ppb
Silicon (Si)	max. 20 ppb
Tin (Sn)	max. 20 ppb
Strontium (Sr)	max. 10 ppb
Tantalum (Ta)	max. 20 ppb
Titanium (Ti)	max. 10 ppb
Thallium (Tl)	max. 10 ppb
Vanadium (V)	max. 10 ppb

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Zinc (Zn)	max. 20 ppb
Zirconium (Zr)	max. 10 ppb
Particle count > 0.5 µm	max. 80 P/ml
Particle count >1.0 µm	max. 8 P/ml
Filtered through 0.2 µm	
Filled under inert gas	

Version no. 2