

# Technical Datasheet

## Article no. 1471

Methyl isobutyl ketone p. a.  
min. 99.5 % C<sub>6</sub>H<sub>12</sub>O

For laboratory use.

Parameter	Value
Appearance	clear liquid
Melting point	-80.3 °C
Boiling point	115.7–116.7 °C
Density (20 °C)	0.797–0.805 g/ml
Molar mass	100.16 g/mol
Colour (APHA)	max. 10
Identity (IR)	complies
Alcohol miscibility	complies
Benzene miscibility	complies
Diethyl ether miscibility	complies
Refractive index (20 °C)	1.3930–1.3990
Water (KF)	max. 0.05 %
Residue on evaporation	max. 10 ppm
Acidity	max. 0.002 meq/g
Alcalinity (NH <sub>3</sub> )	max. 10 ppm
Cadmium (Cd)	max. 0.05 ppm
Copper (Cu)	max. 0.1 ppm
Iron (Fe)	max. 0.1 ppm
Nickel (Ni)	max. 0.1 ppm
Lead (Pb)	max. 0.1 ppm
Zinc (Zn)	max. 0.1 ppm
Acetone (CH <sub>3</sub> COCH <sub>3</sub> )	max. 0.1 %
Mesityl and isomesityl oxide	max. 0.1 %

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Parameter	Value
4-Methyl-2-pentanol (C <sub>6</sub> H <sub>14</sub> O)	max. 0.1 %

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