

# Technical Datasheet

Article No. 1415

1-Methyl-2-pyrrolidone VLSI  
min. 99.8 % C<sub>5</sub>H<sub>9</sub>NO

For laboratory use.

Parameter	Value
Appearance	Clear Liquid
Density	1.03 g/mol
Mol.-Weight	99.13 g/mol
Melting point	-24 °C
Boiling point	204 °C
Colour (APHA)	max. 15
Residue on evaporation	max. 0.0010 % w/w
Water (KF)	max. 0.03 % w/w
Alkalinity (as CH <sub>3</sub> NH <sub>2</sub> )	max. 0.004 %
Chloride (Cl)	max. 0.5 ppm
Phosphate (PO <sub>4</sub> )	max. 1 ppm
Dilution test	conform
Silver (Ag)	max. 50 ppb
Aluminium (Al)	max. 80 ppb
Arsenic (As)	max. 50 ppb
Gold (Au)	max. 50 ppb
Boron (B)	max. 50 ppb
Barium (Ba)	max. 50 ppb
Beryllium (Be)	max. 50 ppb
Calcium (Ca)	max. 50 ppb
Cadmium (Cd)	max. 50 ppb
Cobalt (Co)	max. 50 ppb
Chromium (Cr)	max. 50 ppb

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Parameter	Value
Copper (Cu)	max. 50 ppb
Iron (Fe)	max. 50 ppb
Gallium (Ga)	max. 50 ppb
Germanium (Ge)	max. 50 ppb
Potassium (K)	max. 50 ppb
Lithium (Li)	max. 50 ppb
Magnesium (Mg)	max. 50 ppb
Manganese (Mn)	max. 50 ppb
Molybdenum (Mo)	max. 50 ppb
Sodium (Na)	max. 50 ppb
Nickel (Ni)	max. 50 ppb
Lead (Pb)	max. 50 ppb
Antimony (Sb)	max. 50 ppb
Silicon (Si)	max. 50 ppb
Tin (Sn)	max. 50 ppb
Strontium (Sr)	max. 50 ppb
Titanium (Ti)	max. 50 ppb
Vanadium (V)	max. 50 ppb
Zinc (Zn)	max. 50 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 Inertgas	