

Acetone, Pharma.

CH₃COCH₃ FW. 58.08
 CAS-No. 67-64-1
 Code BP1003

Density 1 L = 0.790 Kg.
 Melting Point - 95.4 °C
 Boiling Point 56.2 °C

Specifications

(Meets Ph.Eur, BP, USP/NF, ACS)

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.3%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Acidity or Alkalinity	Passes test	
Residue on Evaporation	0.0005%	max.
Aldehydes (as Formaldehyde)	0.001%	max.
Cyclohexane (GC.)	0.01%	max.
Diacetone (GC.)	0.02%	max.
Ethanol (GC.)	0.01%	max.
Related substances (GC.)	Passes test	
Benzene (GC.)	2	ppm max.
Methanol (GC.)	0.05%	max.
Propan-2-ol (GC.)	0.05%	max.
Other impurity (GC.)	0.05%	max.
Reducing substances	Passes test	
Solubility in water	Passes test	
Substances reducing permanganate (as O)	Passes test	
Readily oxidizable substances	Passes test	
Water-insoluble substances	Passes test	
Chloride (Cl)	0.1	ppm max.
Nitrate (NO ₃)	0.1	ppm max.
Phosphate (PO ₄)	0.1	ppm max.
Sulfate (SO ₄)	0.1	ppm max.
Heavy metals (as Pb)	1.0	ppm max.
Aluminium (Al)	0.5	ppm max.
Antimony (Sb)	0.02	ppm max.
Arsenic (As)	0.02	ppm max.
Barium (Ba)	0.1	ppm max.
Beryllium (Be)	0.02	ppm max.
Bismuth (Bi)	0.02	ppm max.
Boron (B)	0.02	ppm max.
Cadmium (Cd)	0.05	ppm max.
Calcium (Ca)	0.5	ppm max.
Chromium (Cr)	0.02	ppm max.
Cobalt (Co)	0.02	ppm max.
Copper (Cu)	0.02	ppm max.
Gallium (Ga)	0.02	ppm max.
Germanium (Ge)	0.02	ppm max.
Gold (Au)	0.02	ppm max.
Indium (In)	0.02	ppm max.
Iron (Fe)	0.1	ppm max.
Lead (Pb)	0.1	ppm max.
Lithium (Li)	0.05	ppm max.
Magnesium (Mg)	0.1	ppm max.
Manganese (Mn)	0.02	ppm max.
Molybdenum (Mo)	0.02	ppm max.
Nickel (Ni)	0.02	ppm max.
Silver (Ag)	0.02	ppm max.
Thallium (Tl)	0.02	ppm max.
Tin (Sn)	0.1	ppm max.
Titanium (Ti)	0.02	ppm max.
Vanadium (V)	0.02	ppm max.
Zinc (Zn)	0.1	ppm max.
Zirconium (Zr)	0.02	ppm max.