

ACETONE

Aceton



M = 58,08 g/mol

CAS: 67-64-1

WE: 200-662-2



H: 225, 319, 336, EUH066

P: 210, 233, 305+351+338

RID/ADR: 3, II

UN: 1090



Physical and chemical properties:

Character:	liquid	Density:	0,791 g/cm ³ (20°C)
Colour:	colourless	Solubility:	
Odor:	characteristic	in water:	soluble
Melting point	-95°C	in organic solvent:	soluble in most organic solvents
Boiling point:	55-57°C	log P _{ow} :	-0,24
Auto-ignition temperature:	540°C	Critical temperature:	235°C
Ignition temperature:	-19°C	Critical pressure:	4,7 MPa
Explosion limits:		Refractive index (20°C):	1,3590
bottom:	2,1% v/v	Viscosity (20°C):	0,33 mPa·s
top:	13% v/v		
Vapor pressure:	233 mbar (20°C)		

acetone purified

CHEM*321024803

500 ml	1 l	Appearance	transparent
5 l	10 l	Density (20°C)	approx 0,791 g/cm ³
20 l	30 l	Acidity	max. 0,005 %
60 l	200 l	Water	max. 0,6 %
		Beginning of the distillation	56,0 °C
		End of distillation	56,4 °C
		Solubility in water	total
		Non-volatile residue	max. 0,001 %

acetone pure

CHEM*421024803

250 ml	500 ml	Assay C ₃ H ₆ O	min. 99,0 %
1 l	2.5 l	Alcohols CH ₃ OH and C ₂ H ₅ OH	max. 0,05 %
3 l	5 l	Non-volatile residue	max. 0,001 %
10 l	20 l	Acidity (as CH ₃ COOH)	max. 0,003 %
30 l	60 l	Alkalinity (as NH ₃)	max. 0,001 %
200 l		Substances reducing KMnO ₄	max. 0,0002%
		Aldehydes (as HCOH)	max. 0,006 %
		Water	max. 0,5 %
		Organic substances insoluble in water	passes test

acetone pure p. a. CHEM*111024800

250 ml	500 ml	Assay C ₃ H ₆ O	min. 99,5 %
1 l	2.5 l	Organic substances insoluble in water	passes test
3 l	5 l	Alcohols CH ₃ OH i C ₂ H ₅ OH	max. 0,05 %
10 l	20 l	Non-volatile residue	max. 0,0005 %
30 l	60 l	Water	max. 0,4 %
200 l		Acidity (as CH ₃ COOH)	max. 0,002 %
		Alkalinity	max. 0,001 %
		Substances reducing KMnO ₄ (as O)	max. 0,0001 %
		Aldehydes (as HCOH)	max. 0,002 %
		Zinc (Zn)	max. 0,00001 %
		Aluminium (Al)	max. 0,00005 %
		Manganese (Mn)	max. 0,00001 %
		Copper (Cu)	max. 0,00001 %
		Nickel (Ni)	max. 0,00001 %
		Lead (Pb)	max. 0,00001 %
		Iron (Fe)	max. 0,00001 %

acetone sp. pure for semiconductors CHEM*102480613

500 ml	1 l	Assay	min. 99,5 %
		Water	max. 0,2 %
		Acidity (as CH ₃ COOH)	max. 0,002 %
		Aldehydes	max. 0,001 %
		Alcohols	max. 0,025 %
		Non-volatile matter	max. 0,0005 %
		Boron (B)	max. 0,00001%
		Zinc (Zn)	max. 0,000001 %
		Phosphor (P)	max. 0,00001%
		Aluminium (Al)	max. 0,000005%
		Manganese (Mn)	max. 0,0000001 %
		Copper (Cu)	max. 0,0000001 %
		Lead (Pb)	max. 0,000001 %
		Gold (Au)	max. 0,0000001 %
		Iron (Fe)	max. 0,000001 %

acetone HPLC CHEM*611024800

500 ml	1 l	Assay	min. 99,8 %
2.5 l		Non-volatile matter	max. 0,0005 %
		Water (KF)	max. 0,2 %
		Acidity (as CH ₃ COOH)	max. 0,0005 meq/g
		UV – transmission (1cm, water)	
		335 nm	min. 50 %
		340 nm	min. 85 %
		350 nm	min. 98 %
		355 nm	min. 99 %