

CHLOROFORM

Chloroform

CHCl₃

M = 119,38 g/mol

CAS: 67-66-3

WE: 200-663-8



H: 315, 319, 334
P: 302+352, 314
RID/ADR: 6.1, III

UN: 1888



Physical and chemical properties:

Character:	liquid	Vapor pressure:	211 mbar (20°C)
Colour:	colourless	Density:	1,48 g/ml (20°C)
Odor:	etheric, sharp	Solubility:	
Melting point:	-63°C	in water:	8,2 g/cm ³ (20°C)
Boiling point:	61°C	in other solvents:	ethanol, diethyl ether, benzene, CS ₂ , DMSO
Auto-ignition temperature:	not applicable		
Ignition temperature:	not applicable	log P(w/o):	1,97
Explosion limits:	not applicable		
Viscosity at 20°C:	0,568 mPa·s		

chloroform purified (stabilized with amylen)

CHEM*322344304

5 l	10 l	Assay	min. 98,0 %
20 l	60 l	Stabilizer	0,0045 ÷ 0,0055 %
200 l		Water	max. 0,05 %
		Residue on evaporation	max. 0,005 %
		Chlorides (Cl)	max. 0,0002 %
		Aldehydes and ketones	max. 0,005 %
		Free chlorine	max. 0,0002 %
		Free acids and fosgen (as HCl)	max. 0,0002 %

chloroform pure (stabilized with amylen)

CHEM*422344304

250 ml	500 ml	Assay	min. 98,0 %
1 l	2.5 l	Stabilizer	0,0045 ÷ 0,0055 %
3 l	5 l	Water	max. 0,02 %
10 l	20 l	Residue on evaporation	max. 0,002 %
60 l	200 l	Chlorides (Cl)	max. 0,0001 %
		Aldehydes and ketones	max. 0,005 %
		Free chlorine	max. 0,0001 %
		Density (20°C)	1,475 - 1,481 g/cm ³
		Fosgen	passes test
		Metalic impurities	passes test
		Organic substances carbonizable with H ₂ SO ₄	passes test
		Free acids and fosgen (as HCl)	max. 0,0001 %
		Appearance	colourless, clear liquid

chloroform pure p. a. (stabilized with amylen) CHEM*112344305

100 ml	250 ml	Assay	min. 98,5 %
500 ml	1 l	Stabilizer	0,0045 ÷ 0,0055 %
2.5 l	3 l	Water	max. 0,015 %
5 l	10 l	Residue on evaporation	max. 0,0006 %
20 l	60 l	Chlorides (Cl)	max. 0,00003 %
200 l		Aldehydes and ketones	max. 0,005 %
		Free chlorine	max. 0,00005 %
		Density (20°C)	1,475 - 1,481 g/cm ³
		Fosgen	passes test
		Metalic impurities	passes test
		Organic substances carbonizable with H ₂ SO ₄	passes test
		Free acids and fosgen (as HCl)	max. 0,0001 %
		Appearance	colourless, clear liquid

chloroform pure (stabilized with ethanol) CHEM*422344305

100 ml	250 ml	Assay	min. 98,0 %
500 ml	1 l	Stabilizer	0,6 - 1 %
2.5 l	3 l	Water	max. 0,02 %
5 l	10 l	Residue on evaporation	max. 0,002 %
20 l	30 l	Chlorides (Cl)	max. 0,0001 %
60 l	200 l	Aldehydes and ketones	max. 0,005 %
		Free chlorine	max. 0,00005 %
		Density (20°C)	1,475 - 1,481 g/cm ³
		Fosgen	passes test
		Metalic impurities	passes test
		Organic substances carbonizable with H ₂ SO ₄	passes test
		Free acids and fosgen (as HCl)	max. 0,0001 %
		Appearance	colourless, clear liquid

chloroform pure p. a. (stabilized with ethanol) CHEM*112344306

50 ml	100 ml	Assay	min. 98,5 %
250 ml	500 ml	Stabilizer	0,6 - 1 %
1 l	2.5 l	Water	max. 0,015 %
3 l	5 l	Residue on evaporation	max. 0,0006 %
10 l	20 l	Chlorides (Cl)	max. 0,00003 %
30 l	60 l	Aldehydes and ketones	max. 0,005 %
200 l		Free chlorine	max. 0,00005 %
		Density (20°C)	1,475 - 1,481 g/ml
		Fosgen	passes test
		Metalic impurities	passes test
		Organic substances carbonizable with H ₂ SO ₄	passes test
		Free acids and fosgen (as HCl)	max. 0,0001 %
		Appearance	colourless, clear liquid