



➤ Solvent data

Solvents	Molecular formular	Vacuum
		for a vapor temp. at 40 °C (mbar)
Acetone	C ₃ H ₆ O	556
Acetonitrile	C ₂ H ₃ N	230
Benzene	C ₆ H ₆	236
n-Butanol (Butyl alcohol)	C ₄ H ₁₀ O	25
<i>tert</i> -Butanol (<i>tert</i> -Butyl alcohol)	C ₄ H ₁₀ O	130
2-Butanone (Methyl ethyl ketone)	C ₄ H ₈ O	243
Chlorobenzene	C ₆ H ₅ Cl	36
Cyclohexane	C ₆ H ₁₂	235
1,2 Dichloroethane	C ₂ H ₄ Cl ₂	210
<i>cis</i> -1,2 Dichloroethylene	C ₂ H ₂ Cl ₂	479
<i>trans</i> -1,2 Dichloroethylene	C ₂ H ₂ Cl ₂	751
Dichloromethane (Methylene chloride)	CH ₂ Cl ₂	850
Diethyl ether	C ₄ H ₁₀ O	850
Diisopropyl ether	C ₆ H ₁₄ O	375
Dimethylformamide	C ₃ H ₇ NO	11
1,4-Dioxane	C ₄ H ₈ O ₂	107
Ethanol	C ₂ H ₆ O	175
Ethyl acetate	C ₄ H ₈ O ₂	240
Heptane	C ₇ H ₁₆	120
Hexane	C ₆ H ₁₄	335
Methanol	CH ₄ O	337
3-Methyl-1-butanol (Isoamyl alcohol)	C ₅ H ₁₂ O	14
Pentachloroethane	C ₅ HCl ₅	13
Pentane	C ₅ H ₁₂	850
n-Pentanol (Amyl alcohol)	C ₅ H ₁₂ O	11
1-Propanol (n-Propyl alcohol)	C ₃ H ₈ O	67
2-Propanol (Isopropyl alcohol)	C ₃ H ₈ O	137
1,1,2,2-Tetrachloroethane	C ₂ H ₂ Cl ₄	20
Tetrachloroethylene	C ₂ Cl ₄	53
Tetrachloromethane (Carbon tetrachloride)	CCl ₄	271
Tetrahydrofuran (THF)	C ₄ H ₈ O	402
Toluene	C ₇ H ₈	77
1,1,1-Trichloroethane	C ₂ H ₃ Cl ₃	300
Trichloroethylene	C ₂ HCl ₃	183
Trichloromethane (Chloroform)	CHCl ₃	474
Water	H ₂ O	72
Xylene (isomeric mixture)	C ₈ H ₁₀	25

For a sufficient distillation rate: Tel : 04.90.23.77.20 / info@serlabo.fr

The temperature difference between the vapor temperature and the cooling medium should be at 20 °C to result in sufficient condensation. The temperature difference between the heating bath and vapor temperature should be at 20 °C to reach a sufficient distillation rate.

i.e: Set a vacuum for a vapor temperature at 40 °C, set the heating bath temperature at 60 °C, set cooling media to 20 °C.