

4.19 & 4.66 Vapor-liquid equilibrium data for methanol+water mixtures at 1.0 atm.

$T (^{\circ}\text{C})$	x_{methanol}	y_{methanol}
100.0	0.0	0.0
98.4	0.012	0.068
96.9	0.020	0.121
95.8	0.026	0.159
95.1	0.033	0.188
94.1	0.036	0.215
92.2	0.053	0.275
90.0	0.074	0.356
88.6	0.087	0.395
86.9	0.108	0.440
85.4	0.129	0.488
83.4	0.164	0.537
82.0	0.191	0.572
79.1	0.268	0.648
78.1	0.294	0.666
76.5	0.352	0.704
75.3	0.402	0.734
74.2	0.454	0.760
73.2	0.502	0.785
72.0	0.563	0.812
70.9	0.624	0.835
69.2	0.717	0.877
68.1	0.790	0.910
67.2	0.843	0.930
66.9	0.857	0.939
65.7	0.938	0.971
65.0	1.0	1.0

Experimental data from the compilation by Gmehling, J. and Onken, U. 1977. *Vapor-Liquid Equilibrium Data Collection*, Dechema, Frankfurt, Germany, vol. 1, p. 60.

from *Chemical Engineering Design and Analysis: An Introduction*
T. M. Duncan and J. A. Reimer, Cambridge University Press, 2nd ed., 2019.

©Cambridge University Press.