

## Example Table: LLE Tie-Line Data for a Ternary Mixture

**Table 1. Experimental (Liquid + Liquid) Equilibrium Mole Fractions  $x$  for {Cyclohexane (1) + Cyclohexanone (2) + DMSO (3)} at Temperature  $T = 303.2$  K and Pressure  $p = 0.1$  MPa <sup>a</sup>**

cyclohexane-rich phase		DMSO-rich phase	
$x_1$	$x_2$	$x_1$	$x_2$
0.9628	0.0244	0.0542	0.0541
0.9021	0.0692	0.0807	0.1312
0.8450	0.1069	0.1110	0.1834
0.7795	0.1468	0.1554	0.2263
0.6705	0.2025	0.2129	0.2589
0.5632	0.2355	0.2799	0.2751
0.5175	0.2475	0.3450	0.2722

<sup>a</sup> Standard uncertainties are  $u(T) = 0.1$  K,  $u(x) = 0.0001$ , and  $u(p) = 5$  kPa.