Diffusion coefficient of naphthalen-1-ol in methanol at infinite dilution

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.2. Diffusion in Binary Mixtures at Infinite Dilution

$C_{10}H_8O$	(1)	naphthalen-1-ol	90-15-3
CH_4O	(2)	methanol	67-56-1
Diffusion Coefficient at infinite dilution: $p = 101.325$ kPa; Method: TAYLOR			Ref.: [1999L4]
T [K]	Type	$D \cdot 10^9$ [m^2/s]	
298.15 ± 0.02	$D^0_{1(2)}$	1.46 ± 0.01	

Symbols and Abbreviations

Short Form	Full Form
D	diffusion coefficient
p	pressure
T	temperature
TAYLOR	Taylor dispersion technique

References

[1999L4] Lu, J.G., Kong, R., Chan, T.C.: J. Chem. Phys. **110** (1999) 3003–3008.

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