

Diffusion coefficient of tetradecane in benzene

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.1. Diffusion in Binary Mixtures

$C_{14}H_{30}$	(1)	tetradecane	629-59-4
C_6H_6	(2)	benzene	71-43-2
Mutual Diffusion Coefficient: $D_{12}(x_i)$; $T = 295.35 \pm 0.1$ K; Method: INT			Ref.: [1961V1]
x_1	p [kPa]	$D \cdot 10^9$ [m ² /s]	
0.0045	101.32	1.21	

Symbols and Abbreviations

Short Form	Full Form
D	diffusion coefficient
p	pressure
T	temperature
INT	interferometry

References

[1961V1] Varoqui R., Daune, M., Freund, L.: J. Chim. Phys. Phys. -Chim. Biol. **58** (1961) 394–401.