

Diffusion coefficient of N,N-dimethyl-formamide in N,N-dimethyl-formamide-d7 at infinite dilution

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.2. Diffusion in Binary Mixtures at Infinite Dilution

C ₃ H ₇ NO	(1)	N,N-dimethyl-formamide	68-12-2
C ₃ D ₇ NO	(2)	N,N-dimethyl-formamide-d7	4472-41-7
Diffusion Coefficient at infinite dilution: $p = 101.325$ kPa; Method: NMR PG			Ref.: [1996H9]
T [K]	Type	$D \cdot 10^9$ [m ² /s]	
298.15 ± 0.1	$D^0_{1(2)}$	1.52 ± 1.0%	

Symbols and Abbreviations

Short Form	Full Form
D	diffusion coefficient
p	pressure
T	temperature
NMR PG	NMR spin echo pulse gradient

References

[1996H9] Holz, M., Mao, X., Seiferling, D., Sacco, A.: J. Chem. Phys. **104** (1996) 669–679.