

Diffusion coefficient of cycloocta-amylose in water at infinite dilution

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.2. Diffusion in Binary Mixtures at Infinite Dilution

C ₄₈ H ₈₀ O ₄₀	(1)	cycloocta-amylose	17465-86-0
H ₂ O	(2)	water	7732-18-5
Diffusion Coefficient at infinite dilution: $p = 101.325$ kPa; Method: TAYLOR			Ref.: [2008R5]
T [K]	Type	$D \cdot 10^9$ [m ² /s]	
298.15 ± 0.01	$D^0_{1(2)}$	0.3582 ± 0.0002	
310.15 ± 0.01	$D^0_{1(2)}$	0.4868 ± 0.0008	

Symbols and Abbreviations

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

References

[2008R5] Ribeiro A. C. F., Valente, A. J. M., Lobo, V. M. M.: J. Balk. Tribol. Assoc. **14** (2008) 396–404.