

# Diffusion coefficient of L-glutamine in water

## 3 Diffusion in Liquid Mixtures

### 3.1. Data

#### 3.1.1. Diffusion in Binary Mixtures

$C_5 H_{10} Br_2$	(1)	1,5-dibromo-pentane	111-24-0
$C_{10} H_{18}$	(2)	decahydro-naphthalene	91-17-8
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 <sup>2</sup> /s]	
0.0045	101.32	0.521	

### Symbols and Abbreviations

Short Form	Full Form
$D$	diffusion coefficient
$p$	pressure
$T$	temperature
$x_i$	mole fraction
INT	interferometry

### References

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