

separation factor (in liquid-liquid distribution), $\alpha_{A,B}$

The ratio of the respective distribution ratios of two extractable solutes measured under the same conditions.

$$\alpha_{A,B} = D_A/D_B$$

Notes:

1. By convention the solutes designated as A and B in the above are chosen so as to make $\alpha > 1$.
2. The term *separation coefficient* is not recommended.
3. The terms selectivity coefficient and selectivity ratio are not synonymous and should not be used.

1993, 65, 2386; O.B. 107; see also O.B. 85