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preconcentration coefficient

of a desired microcomponent

in trace analysis

This is defined as

$$K = \frac{Q_T / Q_M}{Q_T^o / Q_M^o}$$

where Q_T and Q_T^o are the quantities of the microcomponent in the concentrate and in the sample, respectively (mass units or concentration units), and Q_M^o and Q_M and are the quantities of the matrix before and after preconcentration, respectively. If the recovery is 100%, $K = \frac{Q_M^o}{Q_M}$. The terms enrichment coefficient and enrichment factor are not recommended.

Source:

PAC, 1979, *51*, 1195 *(Separation and preconcentration of trace substances. I - Preconcentration for inorganic trace analysis)* on page 1198

