

recovery factor [obsolete]

in an extraction process

The fraction or percentage ($R\%$) of the total quantity of a substance extracted (usually into the organic solvent phase) under specified conditions. Specifically, $R_A = \frac{Q_A}{(Q_A)'}$, where $(Q_A)'$ and Q_A are the original and final quantities of the substance A. This term is not recommended. Fraction extracted should be used.

Source:

Orange Book, p. 90

PAC, 1993, 65, 2373 (*Nomenclature for liquid-liquid distribution (solvent extraction) (IUPAC Recommendations 1993)*) on page 2385