

fugacity, f , \tilde{p}

Of a substance **B**, f_{B} or \tilde{p}_{B} , in a gaseous mixture is defined by $f_{\text{B}} = \lambda_{\text{B}} \lim_{p \rightarrow 0} \frac{p_{\text{B}}}{\lambda_{\text{B}}}$, where p_{B} is the partial pressure of B and λ_{B} its absolute activity.

Source:

Green Book, 2nd ed., p. 50

See also:

PAC, 1994, 66, 533 (*Standard quantities in chemical thermodynamics. Fugacities, activities and equilibrium constants for pure and mixed phases (IUPAC Recommendations 1994)*) on page 539

PAC, 1984, 56, 567 (*Physicochemical quantities and units in clinical chemistry with special emphasis on activities and activity coefficients (Recommendations 1983)*) on page 571