ideal mixture

A mixture of substances **B**, **C**, ... is called an ideal mixture when $a_B = x_B$, $a_C = x_C$, ... or $f_B = 1$, $f_C = 1$ where a_B and f_B are the relative activity and the activity coefficient, respectively, of a substance **B** in a liquid or solid mixture.

Source:
PAC, 1994, *66*, 533 *(Standard quantities in chemical thermodynamics. Fugacities, activities and equilibrium constants for pure and mixed phases (IUPAC Recommendations 1994))* on page 543