

Examination of Excess and Apparent Molar Volumes in Binary Liquid Mixtures

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Abstract: Density (ρ), Excess Molar volume and Apparent Molar volume are reported for binary mixtures of Ethanol, Propan- 2-ol and 2-Methyl Propan-2-ol with Propan-2-amine over entire range of mole fractions at 298.15 and 308.15 K and atmospheric pressure. Excess molar volume (V^E) and apparent molar volume (V_ϕ) have been calculated. These values were fitted with Redlich-Kister type polynomial equation.

Keywords: Volumetric behavior, Non-ideal mixtures