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Viscosities, Excess Molar Volume of Binary Mixtures of Binary Liquid Mixtures of Methanol and Ethanol with p-anisaldehyde at 303.15 K and 313.15 K

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ABSTRACT

The density and viscosity of binary mixtures of methanol and ethanol with p—anisaldehyde were measured at 303.15 K and 313.15 K, using this data excess molar volume V^E, Viscosition deviation $\Delta\eta$ and activation parameters ΔG^*, ΔH^* and ΔS^* have been calculated. The results were fitted by Redlich—Kister equation. All mixtures show negative values of VE due to interactions between unlike molecules or very large difference in the molar volumes of pure components at relatively low temperature.

Keywords: Density; Viscosity; Redlich—Kister; Excess parameters.
