



## **Viscosity, Density and Excess Molar Volume of Binary Mixtures of Methanol and Ethanol with p-anisaldehyde**

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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  $V^E$ , Viscosity deviation  $\Delta\eta$  and activation parameters  $\Delta G^*$ ,  $\Delta H^*$  and  $\Delta S^*$  have been calculated. The results were fitted by Redlich—Kister equation. All mixtures show negative values of  $V^E$  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.

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