

Liquid Crystals in Binary Systems of Lead Decanoate with Zinc or Cadmium Decanoate

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The phase transition temperatures were determined by differential thermal analysis and hot stage polarization microscopy between room temperature and the isotropic liquid region for the binary systems of lead (II) decanoate with zinc (II) or cadmium (II) decanoate. The boundaries of the liquid crystal formation in these systems were found.

Key words: Phase Diagram; Mesophase; Metal Alkanoate.