Attempts were made to prepare a series of vanadium doped alkali metal hexagonal tungsten bronzoid, \( \text{AxVxW}_{1-x}\text{O}_3 \) (A= K; Cs and \( x = 0.15\) - 0.30), at comparatively low temperature by organic precursor method. The prepared samples were characterized by X-ray powder Diffraction, Fourier Transform Infrared spectroscopy, Energy-dispersive X-ray analysis and Scanning Electron Microscopy. XRD data of \( \text{AxVxW}_{1-x}\text{O}_3 \) reveals that pure hexagonal tungsten bronzoid phase could be formed at 400°C by this method. However, a second unknown phase along with the hexagonal bronzoid phase appeared with \( x = 0.30 \) composition when annealed at higher temperature.

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