

5. Study of optical properties of Cadmium Oxide using UV-VIS spectroscopy

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ABSTRACT

Metal oxides have been extensively explored for several advanced applications, such as in electronics, optics, and heterogeneous catalysis and sensors. Cadmium oxide was prepared by chemical co-precipitation technique. The optical transmission spectra of chemically synthesized and commercially procured samples were recorded by using UV-VIS spectroscopy. The transmission coefficient (α), optical energy gap (E) were estimated and compared.

Keywords: Cadmium oxide, optical properties, chemical co-precipitation