Structural, morphological, and infrared investigations after the formation of Cinnamaldehyde-N-methyl aniline, a Schiff base ligand based on aniline.

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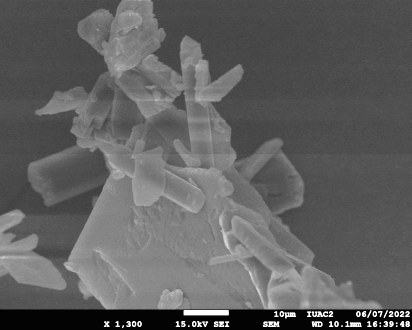
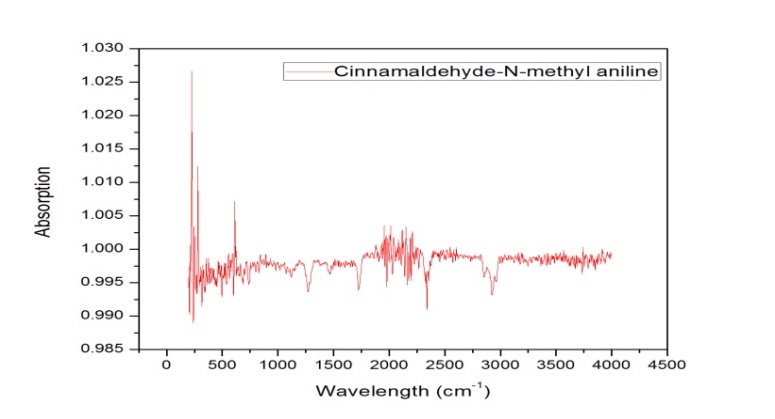
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**Abstract**. In the past, scientists were able to identify the characteristics of Schiff bases and their metal complexes. Currently, a great deal of research is being done to learn more about the special characteristics of the aniline-based Schiff bases. This article describes how to make the Schiff base ligand that is based on aniline: Cinnamaldehyde - N-methyl aniline. After the synthesis of the ligand Cinnamaldehyde-N-methyl aniline, Structural, morphological and infrared analyses were conducted through the use of X-ray diffraction (XRD), Fourier-transform infrared spectroscopy (FTIR) and Field emission scanning Electron microscope (FE-SEM.

Keywords: Schiff base, Ligand, Aniline, XRD, FTIR, FE-SEM.



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