VIBRATIONAL SPECTROSCOPIC STUDY ON SOME HOFMANN TYPE CLATHRATES: M(2-(1-CYCLOHEXENYL)ETHYLAMINE)$_2$ Ni(CN)$_4$.2BENZENE (M =Ni AND Cd)

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New Hofmann type benzene clathrates in the form of M(CyHEA)2Ni(CN)4.2Benzene (where CyHEA = 2-(1-Cyclohexenyl)ethylamine and M = Ni or Cd) have been prepared in powder form and FT-IR and Raman spectra have been reported. The results suggest that title compounds are similar in structure to Hofmann type clathrates and their structures consist of polymeric layers of | M-Ni(CN)4 $|_\infty$ with the CyHEA molecule bounded to the metal atoms (M).