

Supplementary Information

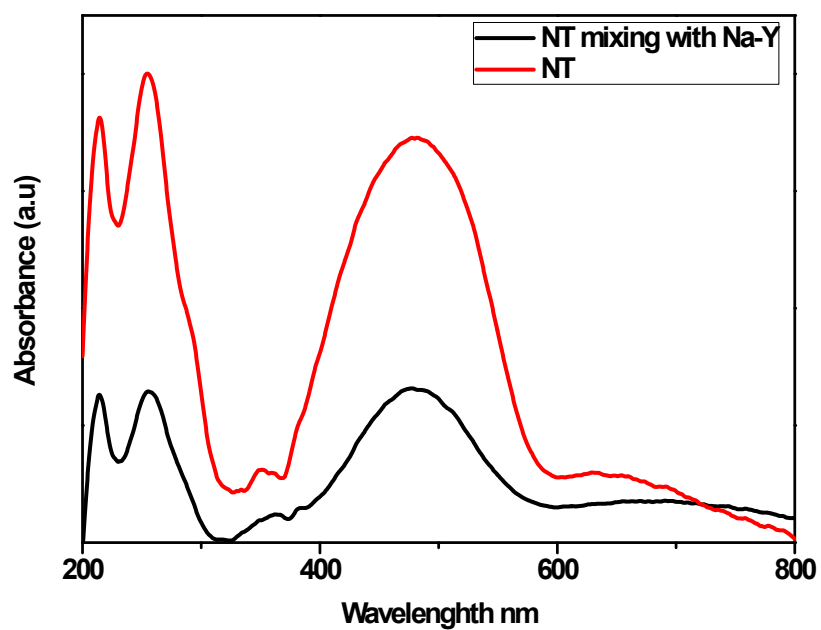


Figure S.1 DRS UV-Vis spectra of the Physical mixture of Nickel(II)tet-a complex with Na-zeolite Y, Nickel(II)tet-a complex (NT)

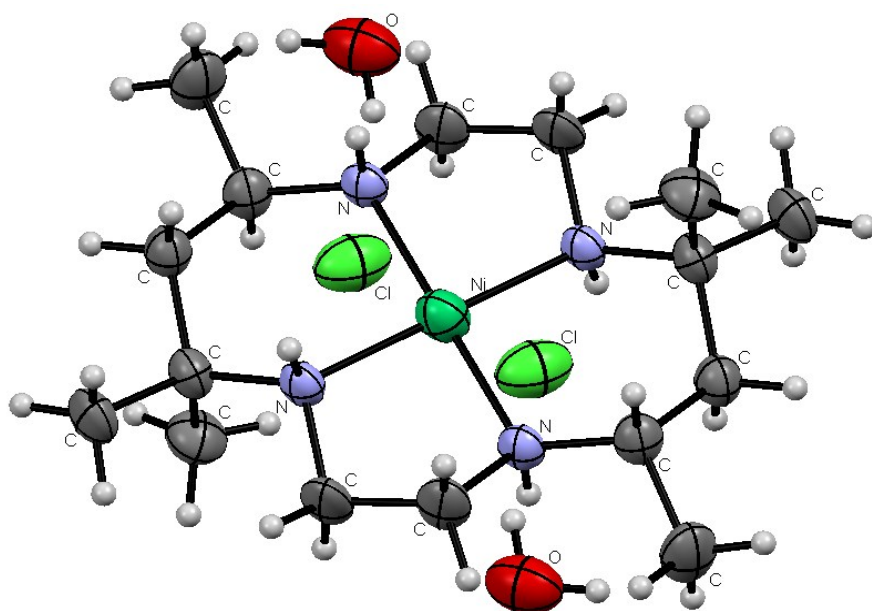


Figure S.2 ORTEP diagram of 5,7,7,12,14,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane [Tet-a] Nickel(II) complex (NT)

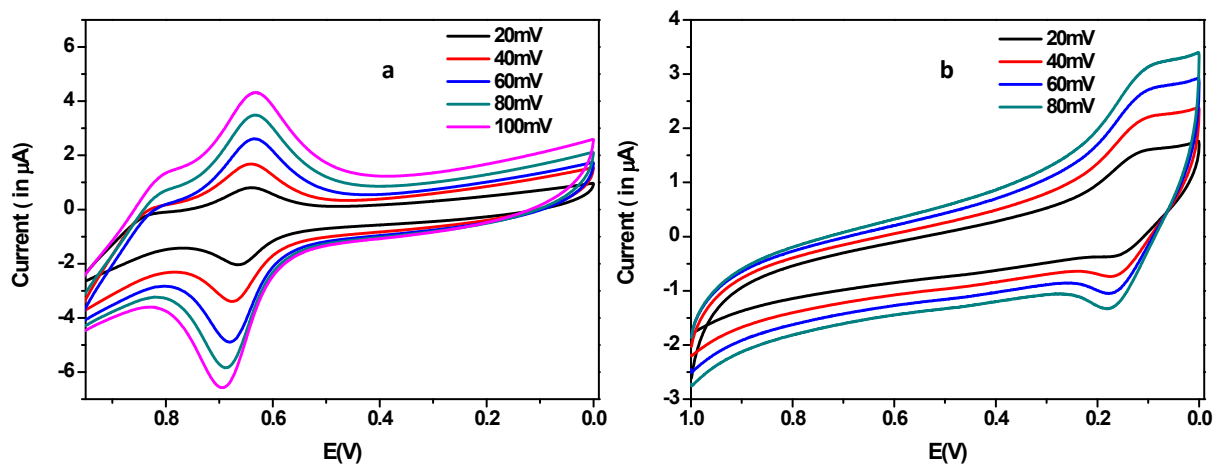


Figure S.3 Cyclic voltammogram of the (a) Nickel(II)tet-a complex (NT), (b) Nickel(II)tet-a complex in Y (NTY) at different scanning rate mV/s.

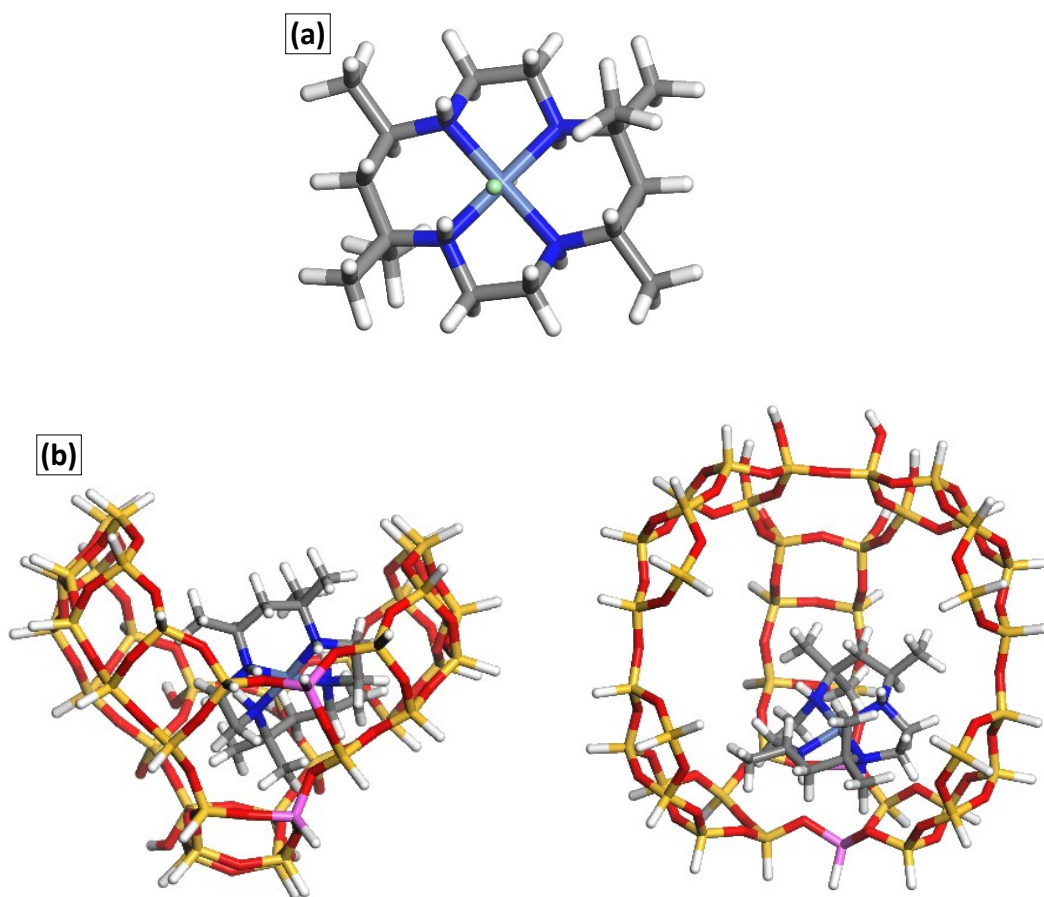


Figure S.4 DFT Optimized structure of (a) Nickel(II)tet-a complex (NT) and (b) Nickel(II)tet-a complex in Y (NTY).