**SUPPORTING INFORMATION**

**Sol - gel powder synthesis in the TiO2-TeO2-ZnO system:**

**structural characterization and properties**

A. Bachvarova-Nedelcheva\*, R. Iordanova,K.L. Kostov and R. Gegova

*Institute of General and Inorganic Chemistry, Bulgarian Academy of Sciences,*

*“Acad. G. Bonchev” str., bld. 11, 1113 Sofia, Bulgaria. \*E-mail: albenadb@svr.igic.bas.bg*

**Fig. SI.1.** IR spectra of the used precursors: a) Ti(IV) n-butoxide, b) H6TeO6 and c) Zn(CH3COO)2.2H2O.