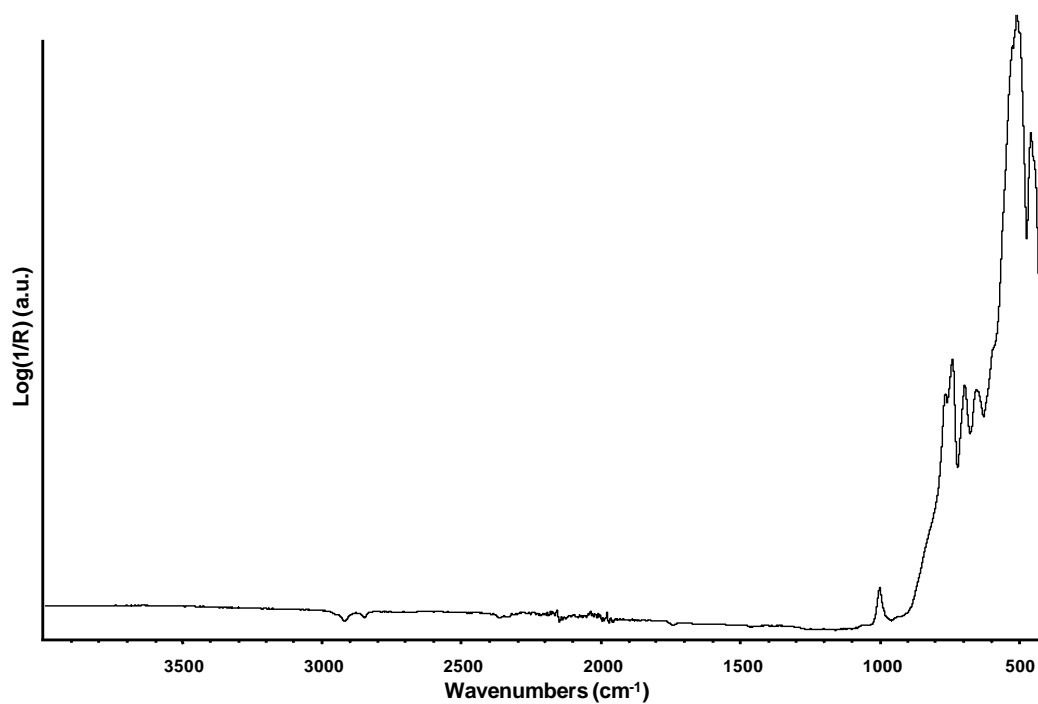


**Electronic Supplementary Information**

ESI 1: ATR spectrum of BAM:Eu powder between 4000 and 400  $\text{cm}^{-1}$



ESI 2: Cross-section SEM image of neat PVP (x5000)

