

## Supporting information

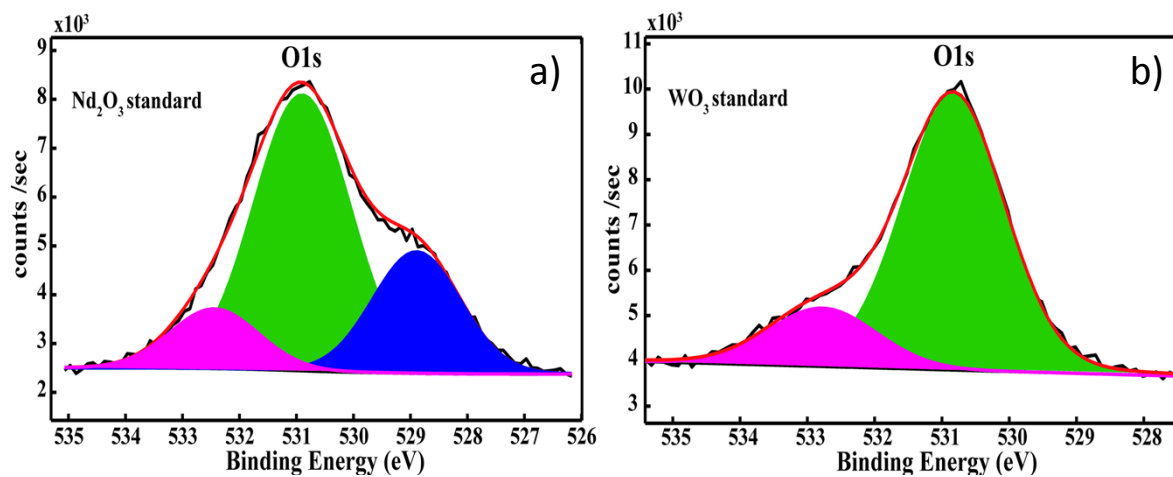


Figure S1: High resolution spectra for O1s line using  $\text{Nd}_2\text{O}_3$  (a) and  $\text{WO}_3$  (b) high purity commercial powders.