## Model oxide supported MoS<sub>2</sub> HDS catalysts: structure and surface properties

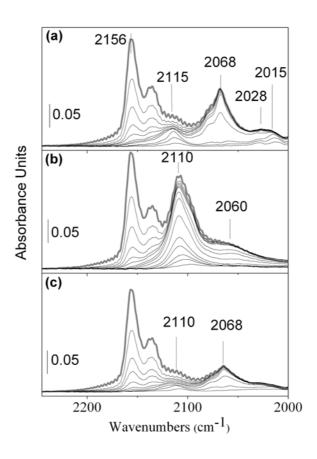
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## **Supporting information**



**Figure SI 1**. FTIR spectra of CO adsorbed at 77 K on MoS<sub>2</sub>/SiO<sub>2</sub> sample outgassed at 673 K (**a**), H<sub>2</sub> reduced at 673 K (**b**) and treated in H<sub>2</sub>S atmosphere at 673 K (**c**). The evolution of the spectra upon decreasing coverages ( $\theta$ ) is reported ( $\theta_{max} = 20$  mbar, bold grey curve).

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