

## Supplementary Materials

### Highly Selective Transfer Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Bis(hydroxymethyl)furan over Copper Oxide/Magnesium Oxide Catalysts

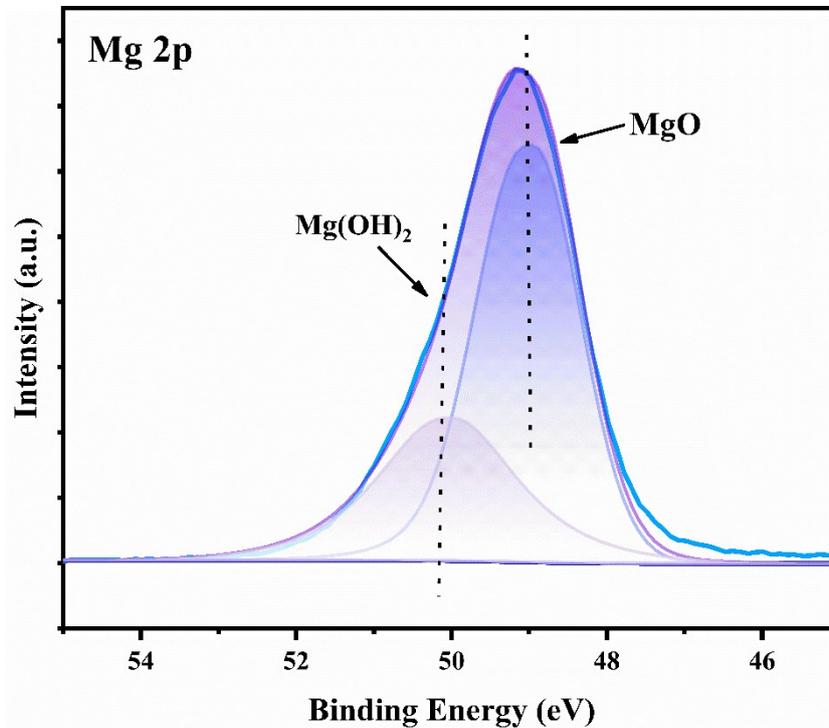
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**Fig. S1.** XPS profiles of 10 % CuO/MgO: Mg 2p.

The Mg<sup>2+</sup> 2p XPS spectrum (Fig. S1) shows two distinct peaks at 49.08 eV and 50.24 eV, which are assigned to Mg<sup>2+</sup> in the MgO and Mg(OH)<sub>2</sub> phases, respectively. The peak at 49.08 eV confirms the presence of MgO, consistent with the XRD results, while the peak at 50.24 eV further supports the existence of Mg(OH)<sub>2</sub>.