

## **Supplementary Information**

### **Microwave induced one-pot conversion of D-glucose to 5-hydroxymethylfurfural by a novel sulfate-functionalized Sn-red mud catalyst**

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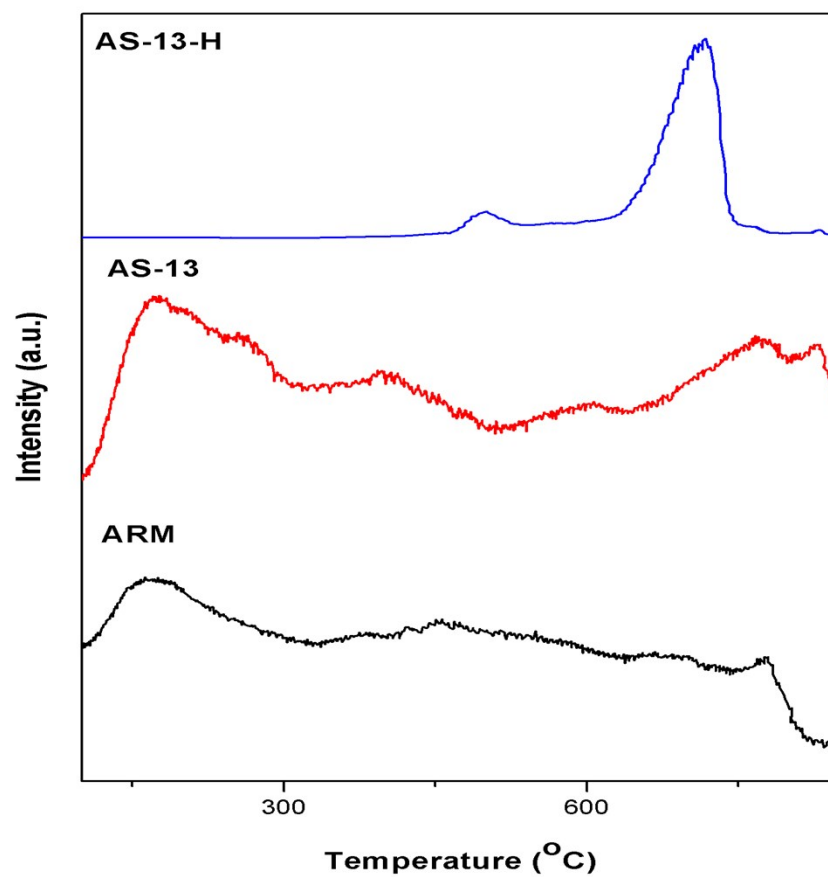


Figure S1. NH<sub>3</sub>-TPD analysis of various catalysts

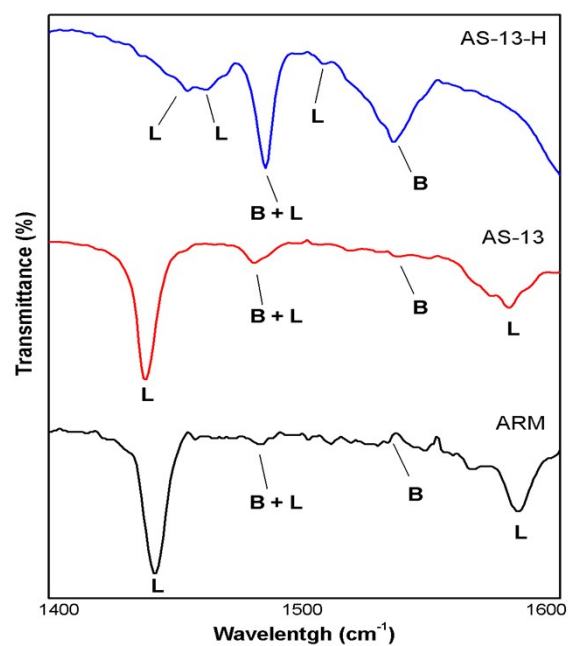


Figure S2. PY-ATR-FTIR spectra of various

Table S1: Bronsted to Lewis acid ratio of various catalysts

Catalyst	Ratio of Bronsted to Lewis sites (B/L)
ARM	0.088
AS-13	0.112
AS-13-H	1.472