

Supplementary Information

Barium hydride activates Ni for ammonia synthesis catalysis

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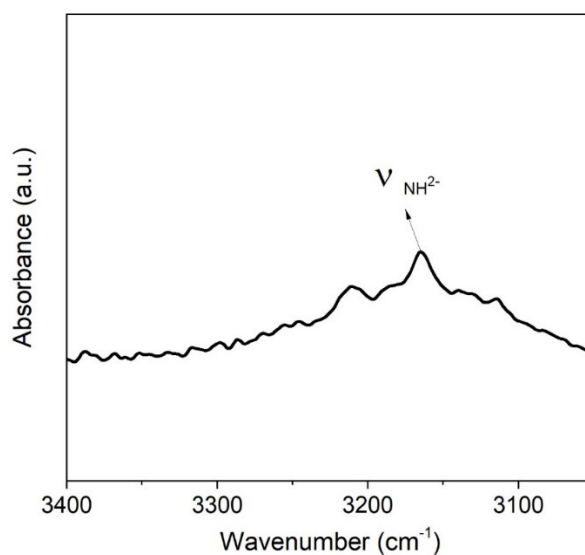


Figure S1. FTIR spectrum of the spent BaH₂/Ni-Mg-O catalyst.

Table S1. Properties of the BaH₂/Ni-Mg-O and Ni-Mg-O samples.

Catalysts	Ni loading (wt %)	Ba loading (wt %)	Specific surface area (m ² g ⁻¹)
BaH ₂ /Ni-Mg-O	20.5	60.7	45.3
Ni-Mg-O	27.7	0	251.5