

Supplementary Information

Free-radical conversion of lignin model compound catalyzed by Pd/C

Honglei Fan*, Yingying Yang, Jinliang Song, Qinglei Meng, Tao Jiang, Guanying Yang, Buxing Han*

^a Beijing National Laboratory for Molecular Sciences, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, China

*Corresponding author, Tel: 86-10-62562821; E-mail: hlfan@iccas.ac.cn; Hanbx@iccas.ac.cn

Catalyst characterization

N₂ adsorption-desorption isotherms were obtained using the Micromeritics ASAP 2020 V3.00 H (USA) surface area analyzer at 77 K under high vacuum. The samples were degassed at 120 °C for at least 12 h prior to the measurement.

Table S1. Properties of catalysts with Pd/C and Pd/HAP.

Entry	Sample ^a	BET surface area (m ² /g) ^b	Pore volume (cm ³ /g) ^c	Pore diameter (nm) ^d
1	Pd/C	664	0.35	5.7
2	Pd/HAP	46	0.3	23

^aThe samples were degassed at 120 °C for 24 h. ^bSurface area based on multipoint BET method. ^cPore volume based on BJH method. ^dPore diameter based on BJH method.