*Supplementary Materials*

# Glycerol Hydrogenolysis to Bio-Propanol: Catalytic Activity and Kinetic Model for Ni/C Modified with $Al(H_2PO_4)_3$

**Martín N. Gatti [1,2,*], Federico M. Perez [1,2], Gerardo F. Santori [1,2] and Francisco Pompeo [1,2]**

[1] Centro de Investigación y Desarrollo en Ciencias Aplicadas (CINDECA), Facultad de Ciencias Exactas, Universidad Nacional de La Plata (UNLP)—CONICET, Calle 47, 257, La Plata 1900, Argentina; federico.perez@ing.unlp.edu.ar (F.M.P.); santori@quimica.unlp.edu.ar (G.F.S.); fpompeo@quimica.unlp.edu.ar (F.P.)

[2] Facultad de Ingeniería, Universidad Nacional de La Plata (UNLP), Calle 1 esq. 47, La Plata 1900, Argentina

* Correspondence: martin.gatti@ing.unlp.edu.ar

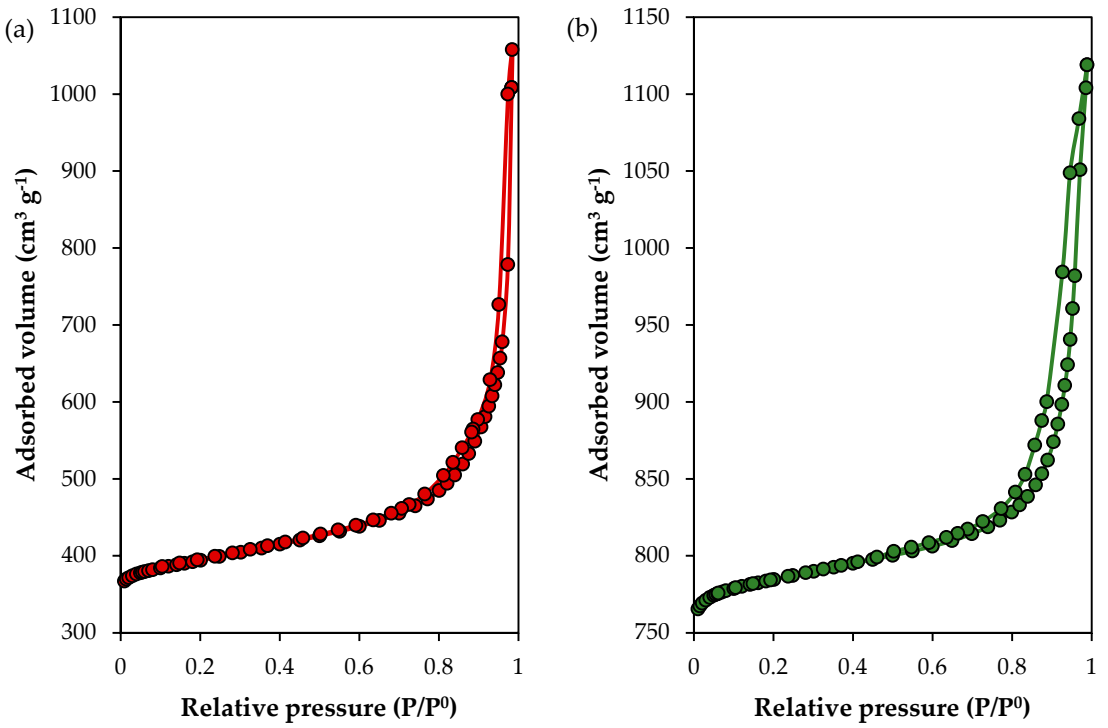


**Figure S1.** $N_2$ adsorption-desorption isotherms for (a) CPAl; (b) Ni/CPAl.

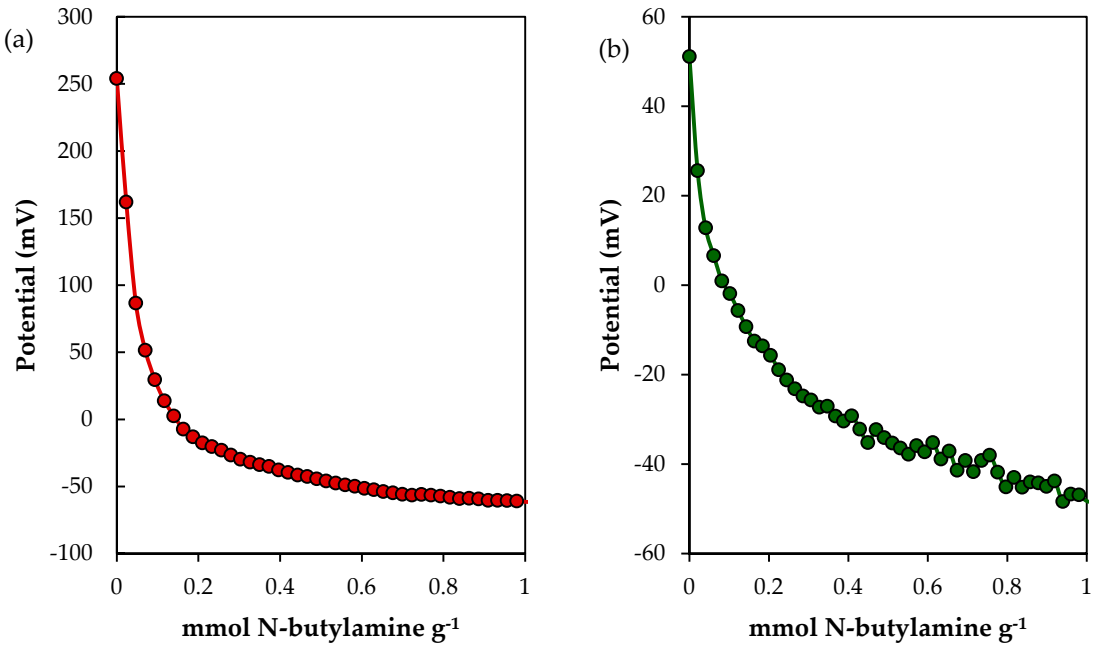


**Figure S2.** Potentiometric titration curves with n-butylamine in acetonitrile of (a) CPAl; (b) Ni/CPAl.

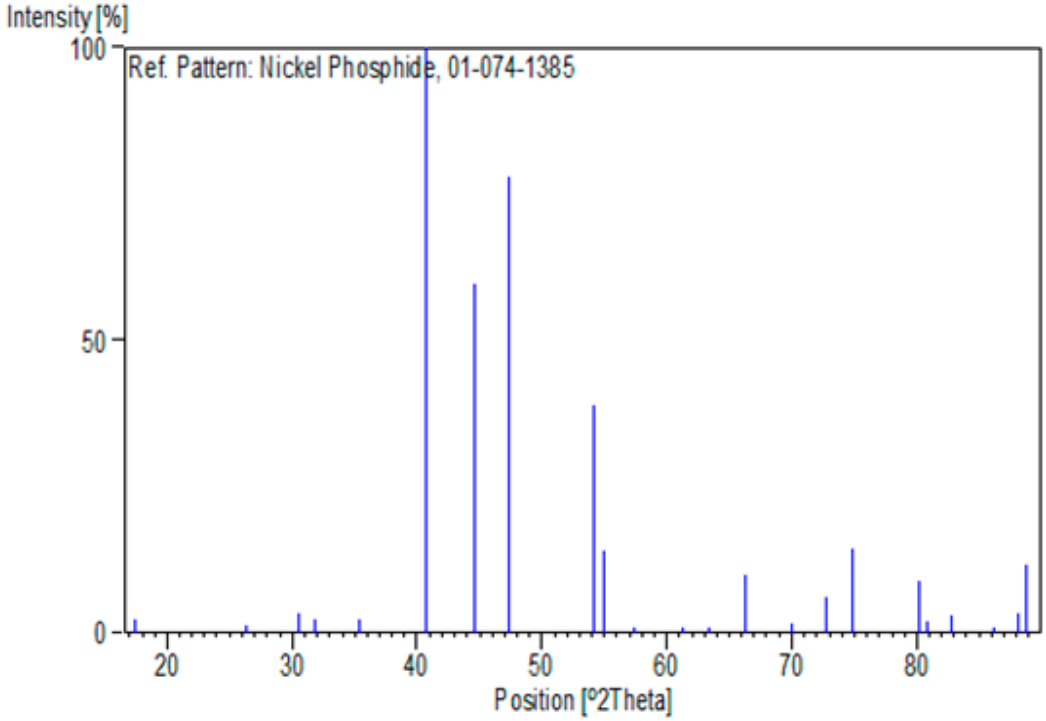


**Figure S3.** XRD spectra of $Ni_2P$ (JCPDS 74-1385).

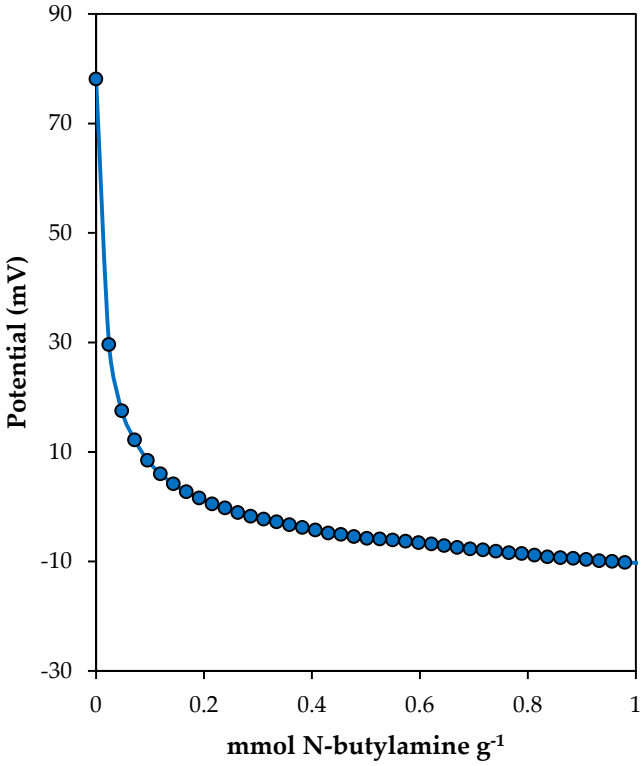


**Figure S4.** Potentiometric titration of the Ni/CPAl catalyst used in a reaction cycle of 6 h at 260°C and 2 MPa of $H_2$.

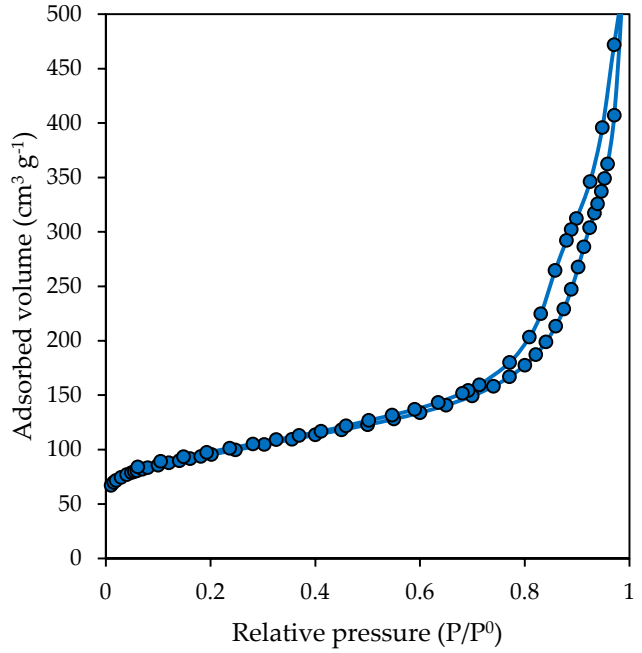


**Figure S5.** $N_2$ adsorption-desorption isotherms of the Ni/CPAl catalyst used in a reaction cycle of 6 h at 260°C and 2 MPa of $H_2$.

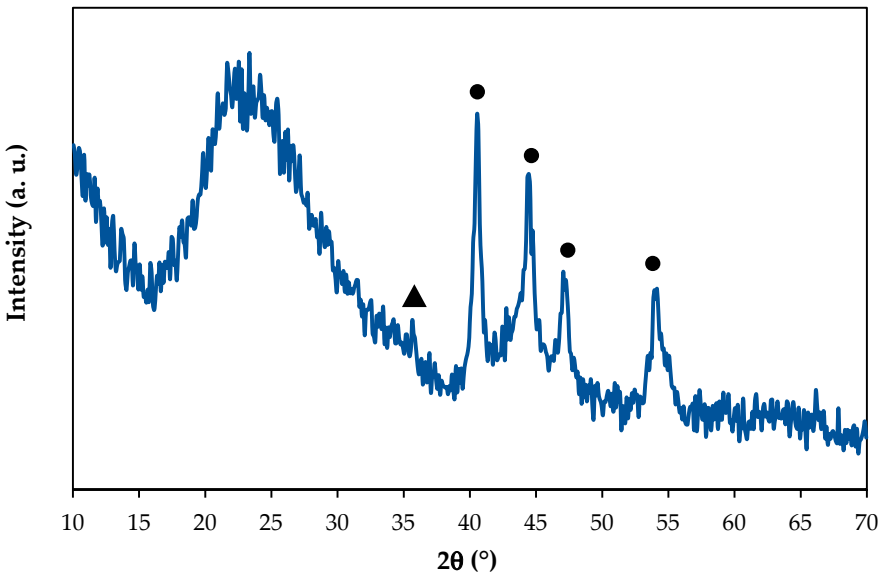


**Figure S6.** XRD spectra of the Ni/CPAl catalyst used in a reaction cycle of 6 h at 260°C and 2 MPa of $H_2$.