ELECTRONIC SUPPORTING INFORMATION

Influence of porous MOF support in the catalytic performance of Eu-polyoxometalate based materials: desulfurization of model diesel

Carlos M. Granadeiro,^a Lucie S. Nogueira,^a Diana Julião,^a Fátima Mirante,^a

Duarte

Ananias,^b Salete S. Balula^{a,*} and Luís Cunha-Silva^{a,*}

^a REQUIMTE / LAQV & Department of Chemistry and Biochemistry, Faculty of Sciences,

University of Porto, 4169-007 Porto, Portugal

^b CICECO, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal

* Corresponding author: E-mail: sbalula@fc.up.pt, l.cunha.silva@fc.up.pt. Tel: +351 220402576. Fax +351220402659.



Figure S1 - FT-IR (left) and FT-Raman (right) spectra of the isolated POM, the MIL-101(Cr) support and corresponding composite before and after catalysis.



Figure S2 - Powder XRD patterns of the MIL-101(Cr) support and corresponding POM/MIL(Cr) composite before and after catalysis (ac).



Figure S₃ - Solid-state ³¹P MAS NMR spectra of the isolated POM and composite materials.



Figure S4 - SEM images and EDS spectra of POM/MIL(Cr) composite (a) as-synthesized and (b) after

catalysis.