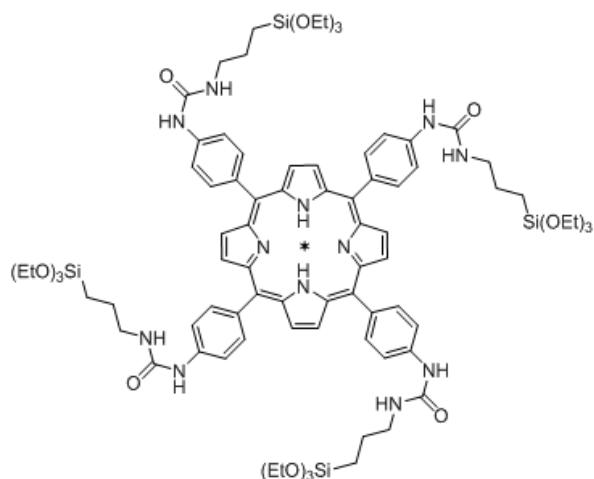


Research article**Evonik P25 photoactivation in the visible range by surface grafting of modified porphyrins for p-nitrophenol elimination in water****Julien G. Mahy^{1,2,*}, Carole Carcel³ and Michel Wong Chi Man³**¹ Department of Chemical Engineering-Nanomaterials, Catalysis & Electrochemistry, University of Liège, B6a, Quartier Agora, Allée du six Août 11, 4000 Liège, Belgium² Institut National de la Recherche Scientifique (INRS), Centre-Eau Terre Environnement, Université du Québec, 490, Rue de la Couronne, Québec (QC), G1K 9A9, Canada³ ICGM, Univ Montpellier, CNRS, ENSCM, 34095 Montpellier, France*** Correspondence:** Email: julien.mahy@uliege.be; Tel: +3243663563.**Supplementary****Figure S1.** Chemical structure of the porphyrin.

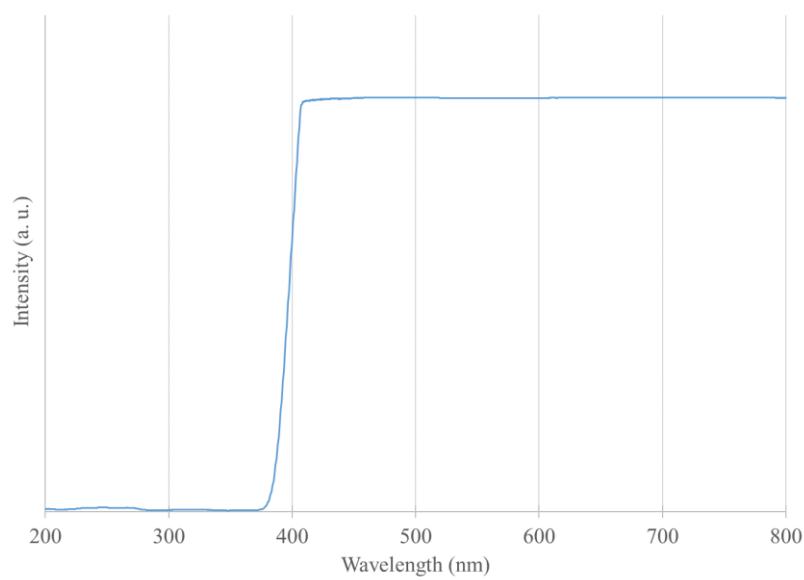


Figure S2. Spectrum of the lamp used for photocatalytic experiments.

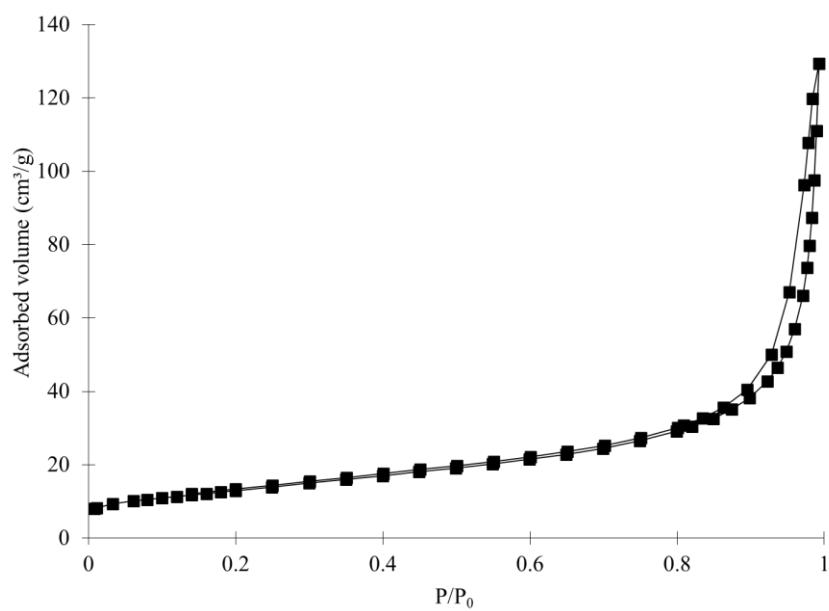


Figure S3. Nitrogen adsorption-desorption isotherms for the P25/G2 sample.

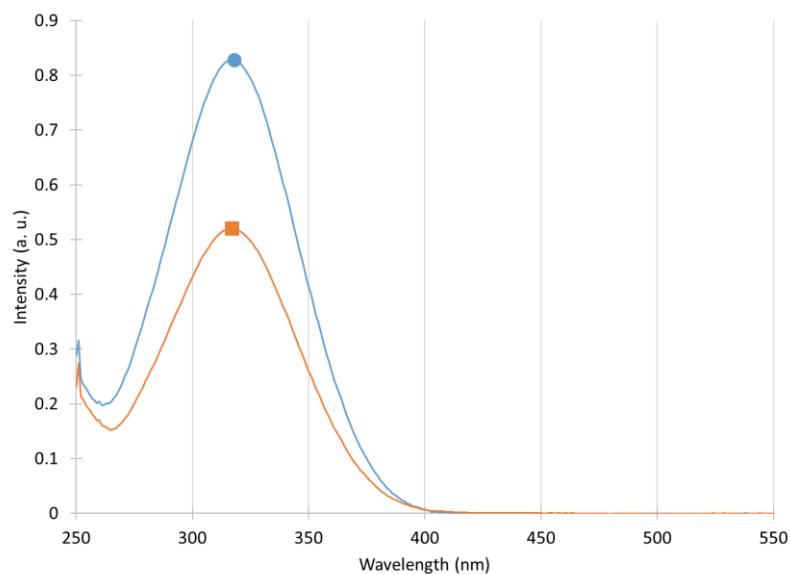


Figure S4. UV/visible spectrum of (●) initial aqueous PNP solution of 10^{-4} M and (■) after 24 h of illumination with P25/G2 sample.



© 2023 the Author(s), licensee AIMS Press. This is an open access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/4.0>)