Molecular Dynamics Simulation of Four Typical Surfactants in Aqueous Solution

Peng Shi^{a,b}, Hui Zhang^{a,1}, Lin Lin^a, Chunhui Song^a, Qingguo Chen^{a,2}, Zesheng Li^c
^a College of Material Science and Engineering & College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin 150080, People's Republic of China
^b College of Chemical Engineering, Harbin Institute of Petroleum, Harbin 150028, People's Republic of China
^c Key Laboratory of Cluster Science of Ministry of Education & School of Chemistry, Beijing Institute of Technology, Beijing 100081, People's Republic of China

¹Corresponding author: Fax: +86-451-86390148; e-mail: <u>hust_zhanghui11@hotmail.com</u>. ²Corresponding author: Fax: +86-451-86391601; e-mail: <u>ggchen@263.net</u>.

Figure Captions

Figure S1 Four surfactant initial structures

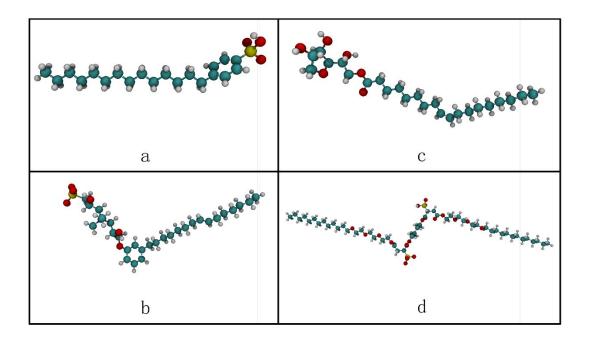


Figure S1 Four surfactant initial structures(a represent the structure of anionic surfactants, b represent the structure of zwitterion surfactants, c represent the structure of nonionic surfactants, d represent the structure of gemin surfactants, where yellow represents sulfur, red represents oxygen, cyan represents carbon, gray represents hydrogen, and blue represents nitrogen).