

Microfluidic Process Intensification for the Synthesis of Nitrogen-Containing Bio-Based Polyols via Aminolysis of Epoxidized Soybean Oil

Ke Yang^{1,*}, Xue Li², Jian Wang³, Zhenhua Sun², Yanru Chen¹, Jiangkai Qiu³, and Qingli Cheng¹

¹ State Key Laboratory of Chemical Safety, Sinopec Research Institute of Safety and Engineering Co., Ltd, Qingdao, 266000, China

² Technical Testing Center of Shengli Oilfield Branch of China Petrochemical Corporation, Dongying, 257000, China

³ State Key Laboratory of Materials-Oriented Chemical Engineering, College of Biotechnology and Pharmaceutical Engineering, Nanjing Tech University, Nanjing 211816, China

* Correspondence: kikiwow@163.com

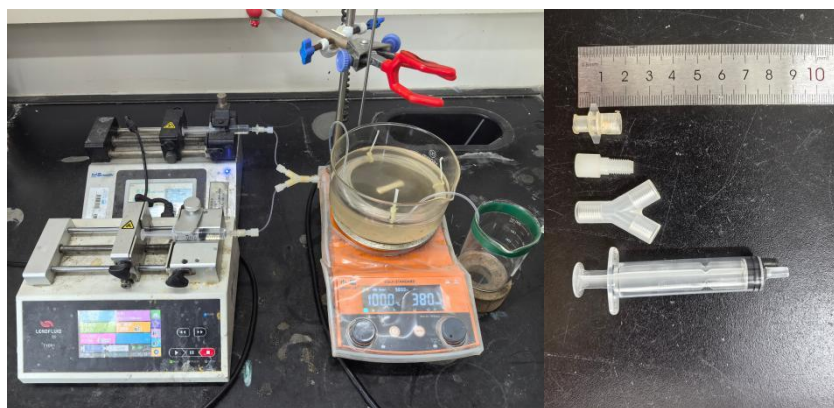


Figure S1 The setup of microfluidic synthesis

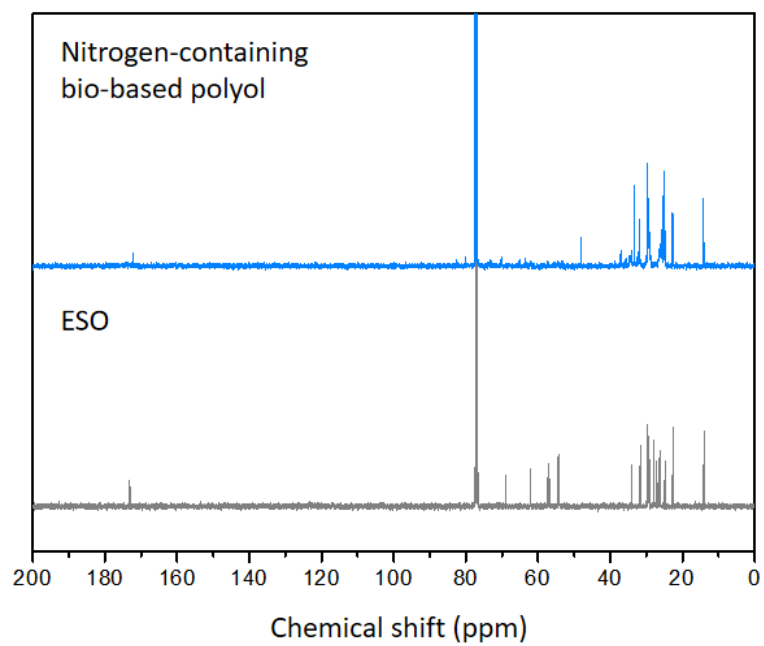


Figure S2 ^{13}C NMR curves of obtained product

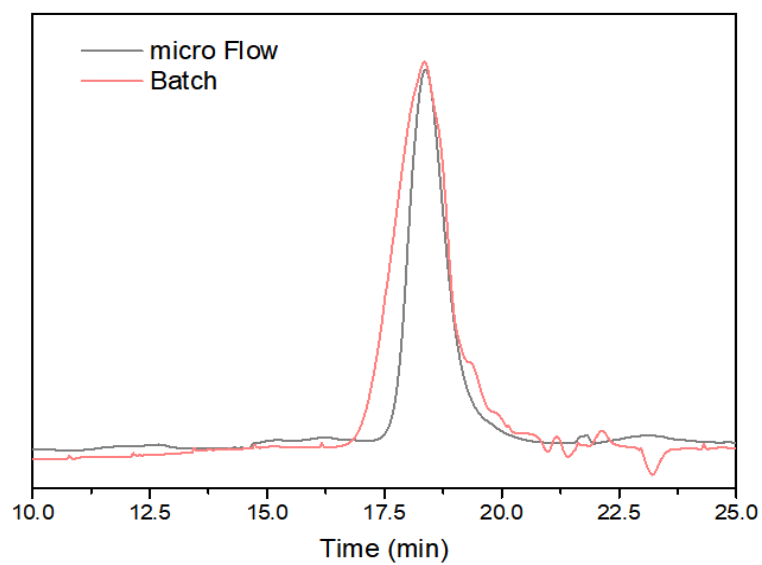


Figure S3 GPC curves of obtained products in different reactors

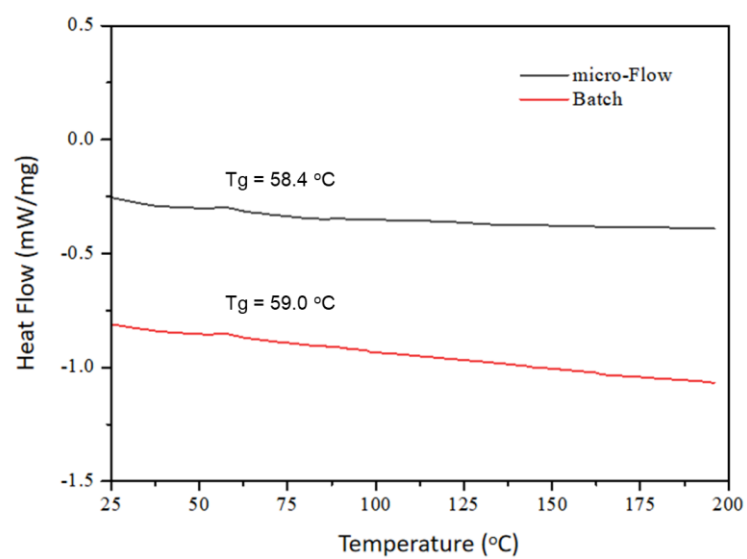


Figure S4 DSC curves of obtained products in different reactors