

# Supporting Information

## Kinetics of Hydrothermal Furfural Production from Organosolv

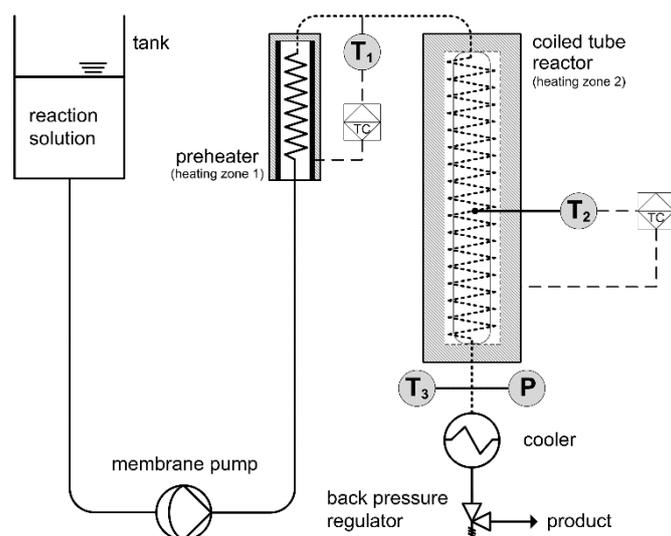
### Hemicellulose and D-Xylose

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**Figure S.1.** Schematic of coiled tube reactor used for hemicellulose solution, xylose, and furfural experiments.

**Table S.1.** Overview of the performed experiments

trial	reactants	xylose (mol L <sup>-1</sup> )	furfural (mol L <sup>-1</sup> )	reaction temperature (°C)	catalysts	pH
1		-	0.1	160		
2	furfural	-	0.1	180	H <sub>2</sub> SO <sub>4</sub>	1.6
3		-	0.1	200		
4		0.37	-	160		
5	d-xylose	0.37	-	180	H <sub>2</sub> SO <sub>4</sub>	1.6
6		0.37	-	200		
7	organosolv	0.38 <sup>a</sup>	3.9 x 10 <sup>-4</sup>	160	H <sub>2</sub> SO <sub>4</sub> /	
8	hemicellulose	0.38 <sup>a</sup>	3.9 x 10 <sup>-4</sup>	180	carboxylic	1.6
9		0.38 <sup>a</sup>	3.9 x 10 <sup>-4</sup>	200	acids	

<sup>a</sup> Sum of xylose and xylooligosaccharide.