

Supplementary Materials

Figure S1. ^1H NMR spectrum of DES 2 choline chloride/L-lactic acid (1:5 mol/mol). 2

Figure S2. Calibration curve of Folin-Ciocalteu phenol titration with vanillin. 3

Table S1: Yields of mass recovery in the different tested DESs. 4

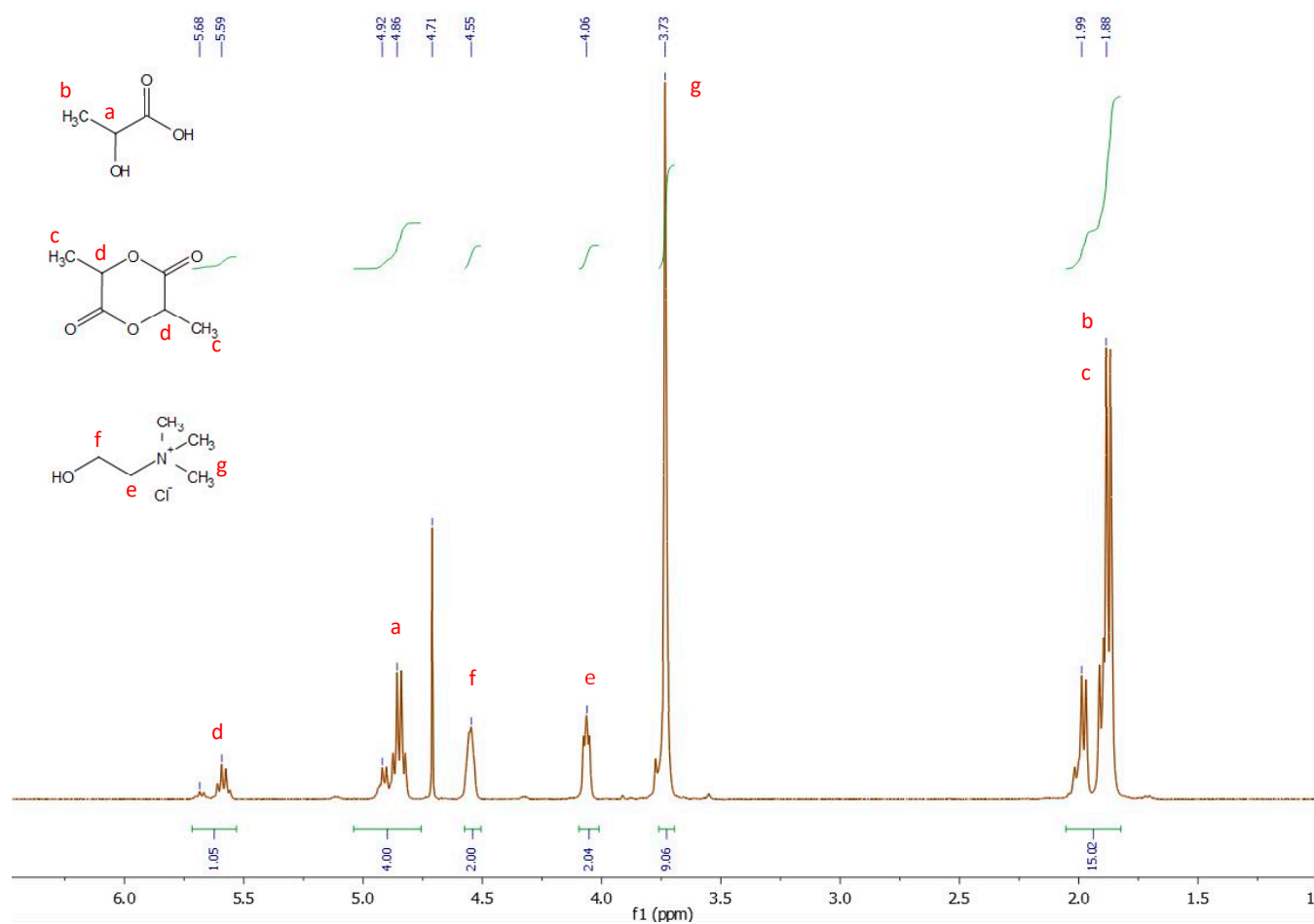


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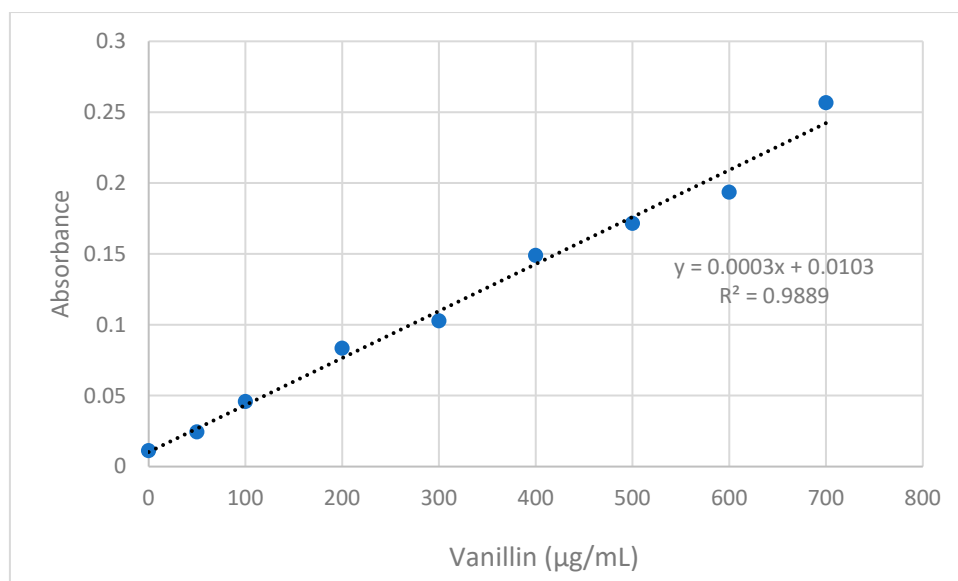


Figure S2. Calibration curve of Folin-Ciocalteu phenol titration with vanillin.

DES	Cellulose-enriched fraction from wRH (% w/w Biomass)	Lignin fraction from wRH (% w/w Biomass)	Cellulose-enriched fraction from pRH (% w/w Biomass)	Lignin fraction from pRH (% w/w Biomass)
1	-	-	65.2 (with silica)	8.02
2	46.6	15.9	47.2 (without silica)	14.5
3	-	-	-	-
4	-	-	70.1 (with silica)	3.64

Table S1. Yields of mass recovery in the different tested DESs.

(NB: “-” indicates no results in terms of biomass fractionation).