

Supplementary Information

Ethanol Production from Sugarcane Bagasse Using Phosphoric Acid-Catalyzed Steam Explosion

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Table S1. Glucose equivalents (GlcEq) from water-washed steam-treated substrates (STB-WW) and their cellobiose content obtained by enzymatic hydrolysis

Sample	Condition			GlcEq from STB-WW / %	Cellobiose / %
	time / min	Temperature / °C	H ₃ PO ₄ / (mg g ⁻¹)		
B01	5	180	–	65.81	0.97
B02	10	180	–	75.09	1.14
B03	5	210	–	71.14	0.61
B04	10	210	–	89.63	0.38
B05 ^a	7.5	195	9.5	75.46	0.72
B06 ^a	7.5	195	9.5	74.40	0.68
B07 ^a	7.5	195	9.5	75.36	0.71
B08	5	180	19	83.65	1.70
B09	10	180	19	72.63	1.67
B10	5	210	19	67.47	1.78
B11	10	210	19	71.25	2.26

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Table S1. Glucose equivalents (GlcEq) from water-washed steam-treated substrates (STB-WW) and their cellobiose content obtained by enzymatic hydrolysis (cont.)

Sample	Condition			GlcEq from STB-WW / %	Cellobiose / %
	time / min	Temperature / °C	H ₃ PO ₄ / (mg g ⁻¹)		
B12	3.3	195	9.5	73.17	0.53
B13	11.7	195	9.5	67.89	0.80
B14	7.5	170	9.5	50.34	1.48
B15	7.5	220	9.5	97.83	0.80
B16	7.5	195	–	86.62	0.85
B17	7.5	195	25.5	71.80	0.52

^aCP: Center point; GlcEq: glucose equivalents; STB-WW: water-washed steam-treated substrates.