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Supplementary Data

- 2 Figure S1. (a) IKA Bomb Calorimeter, (b) Pelletizer for solid samples, (c) Pellets of solid samples, and (d)
- 3 Capsule Aid for liquid samples
- 4 Table S1. Hydraulic Force required to pelletize relevant solids and liquids and their calorimetry

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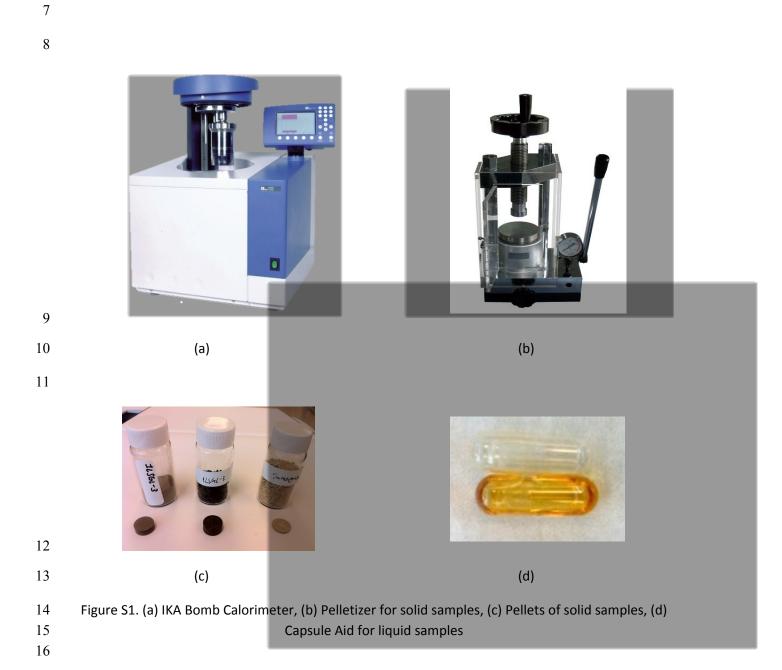


Table S1. Hydraulic Force required to pelletize solid and encapsulation of liquid samples along with heating values

Samples	Form of material	Hydraulic Force*	Mass	Mean High	Coefficient
		for sample	Density of	Heating Value,	of variation,
		preparation,	pellets,	(MJ/kg)	(%)
		MPa	(kg/m³)		
Eucalyptus	Solid as Chips	16.0	279.2	18.6	0.17
Pretreated Eucalyptus	Solid as Particles	13.0	304.8	18.9	0.65
Glucose	Solid as Powder	10.0	336.2	15.5	0.09
Ethanol	Liquid that is Evaporative	Encapsulated in Polyethylene	n.a.	29.2	1.33
[C ₂ mim][OAc]	Liquid that is non-evaporative	Encapsulated in Polyethylene	n.a.	23.1	0.50

*Note: Pelleting force is the observed gauge value