Catalytic depolymerisation of isolated lignins to fine chemicals using a Pt/alumina catalyst: Part 1-Impact of the lignin structure

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Supplementary data





Figure S.2. TGA analysis of used catalysts after lignin catalytic depolymerisation [Conditions: From RT to 1000 °C at 10 °C/min under 100 ml/min of 2% O_2 /Ar gas feeding]



8.0

and 20 barg H_2 NMR samples were run on a 500 MHz spectrometer at a concentration of 100 mg of substrate in 0.6 mL of DMSO-*d*6.

Table S.1: Syringyl/Guaiacyl ratio for catalytically depolymerised and thioacidolysis products [*: The Catalytic value is based on the ratio of 3-carbon side chain products]

	Catalytic depolymerisation*	Thioacidolysis
Soda Wheat Straw	1.17	1.04
AFEX Wheat Straw	0.84	0.92

Organosolv Poplar	1.61	1.35
Ammonia Poplar	1.98	1.89