

Supplementary Information

Table S1. Non-linear line-fit parameters of the ^{13}C CP/MAS spectra of untreated microcrystalline cellulose (MCC).

Assignment	^{13}C Chemical Shift	% Area	FWHM (Hz)
I_α	89.4	7.9	111
$\text{I}_{\alpha+\beta}$	88.7	10.6	100
<i>Para</i> -cystalline	88.2	35.3	170
I_β	87.4	8.2	123

Table S2. Non-linear line-fit parameters of the ^{13}C CP/MAS spectra of untreated cellulose from cotton swaps.

Assignment	^{13}C Chemical Shift	% Area	FWHM (Hz)
I_α	90.5	9.0	205
$\text{I}_{\alpha+\beta}$	89.6	9.2	181
<i>Para</i> -cystalline	88.5	34.5	250
I_β	87.7	9.3	235