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Increasing yield of nanocrystalline cellulose preparation process by a cellulase pretreatment

Facundo Beltramino, M. Blanca Roncero, Teresa Vidal, Antonio L. Torres, Cristina Valls

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Beltramino, Facundo; Roncero, M. Blanca*; Vidal, Teresa; Torres, Antonio L.; Valls, Cristina

CELBIOTECH_Paper Engineering Research Group. Universitat Politècnica de Catalunya (UPC. BarcelonaTech). Colom 11, E-08222, Terrassa, Spain.

Correspondence at all stages of refereeing and publication to:

Facundo Beltramino

CELBIOTECH_Paper engineering research group. Universitat Politècnica de Catalunya (UPC. BarcelonaTech). Colom 11, E-08222, Terrassa, Spain.

Email: facundo.beltramino@etp.upc.edu; Tel.: +34 937 398 190

Correspondence to post-publication to:

M. Blanca Roncero

CELBIOTECH_Paper engineering research group. Universitat Politècnica de Catalunya (UPC. BarcelonaTech). Colom 11, E-08222, Terrassa, Spain.

Email: roncero@etp.upc.edu; Tel.: +34 937 398 210

Abstract

In this work the introduction of a cellulase treatment prior to NCC isolation was assessed. NCC was produced using sulfuric acid at two different concentrations (62 and 64% wt.). The effect of pore size for filtration step was also assessed. The smaller acid dose led to yields up to 65-70% and average size up to 160 nm. It also produced

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