

Accepted Manuscript

Title: Surface esterification of cellulose nanofibers by simple organocatalytic methodology

Author: Jhon Alejandro Ávila Ramírez Camila Juan Suriano
Patricia Cerrutti María L. Foresti



PII: S0144-8617(14)00789-9
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2014.08.020>
Reference: CARP 9157

To appear in:

Received date: 12-6-2014
Revised date: 11-8-2014
Accepted date: 17-8-2014

Please cite this article as: Ramírez, J. A. Á., Suriano, C. J., Cerrutti, P., and Foresti, M. L., Surface esterification of cellulose nanofibers by simple organocatalytic methodology, *Carbohydrate Polymers* (2014), <http://dx.doi.org/10.1016/j.carbpol.2014.08.020>

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1 Highlights

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- 3 ✓ Surface esterified cellulose nanofibers were obtained by an organocatalytic
- 4 route.
- 5 ✓ Reaction involved a non-toxic natural-origin catalyst and no cosolvent was used.
- 6 ✓ The substitution degree was tailored by the esterification time interval used.
- 7 ✓ Esterified BNC showed increased thermal stability and reduced polar character.
- 8 ✓ NMR, FTIR, XRD and TGA results indicated surface-only reaction.
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