

Accepted Manuscript

Title: Chemical Alterations of Pine Wood Saccharides during Heat Sterilization

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PII: S0144-8617(14)01089-3
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2014.10.065>
Reference: CARP 9418

To appear in:

Received date: 21-8-2014
Revised date: 20-10-2014
Accepted date: 27-10-2014

Please cite this article as: Kačík, F., Šmíra, P., Kačíková, D., Vel'ková, V., Nasswetrová, A., and Vacek, V., Chemical Alterations of Pine Wood Saccharides during Heat Sterilization, *Carbohydrate Polymers* (2014), <http://dx.doi.org/10.1016/j.carbpol.2014.10.065>

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1 **Chemical Alterations of Pine Wood Saccharides during Heat Sterilization**

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17 **Abstract**

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19 Alterations in saccharides during heat sterilization of pine wood (*Pinus sylvestris* L.) were
20 investigated. The mass loss, extractives, lignin, cellulose, holocellulose and hemicelluloses
21 were determined. Changes in saccharides were evaluated by the determination of
22 monosaccharides in wood, size exclusion chromatography (SEC) as well as Fourier transform
23 infrared (FTIR) spectroscopy. During heat sterilization of pine wood the slight mass loss, an
24 increase in extractives and a decrease in lignin and polysaccharides were observed.

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