

AN ENERGETIC ANALYSIS OF BIOMASS'S MATERIAL ELEMENTS

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ABSTRACT

Energetic rate (content of combustion) of tree resin is so high, that the energetic rate a of spruce is 38 500 J.g⁻¹ and of a pine is 38 900 J.g⁻¹. Differences between particular wood-pulps are irrelevant. An amount of macroergic substances in biomass can affect its energetic rate and production significantly.

Tree resin almost has a double higher energetic rate in comparison with content of wood's combustion without an expection of a wood-pulp and it approaches refined hydrocarbon fuels.

Key words: energetic analysis, biomass, resin