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COMPARATIVE STUDY REFERRING TO PHYSICAL AND CALORIFIC PROPERTIES OF PELLETS OBTAINED FROM GRAPE BIOMASS

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Abstract

In this paper some comparative studies referring to physical and calorific properties of pellets obtained from grape biomass are investigated. The type of grape biomass that is investigated is mainly the pomace, respectively skins and seeds of grapes. Results are firstly specified to the granulometry of milled pomace, and after that to the properties of pellets. Good bulk densities are resulted for grape seed. A higher calorific value of 24.1 MJ/kg is obtained, better those wooden pellets, because this biomass contained some sugars besides of pomace waste. The main conclusion of the paper is that grape pomace pellets have good properties and there are within the limits of the European standards (EN 14961-2).

Key words: ash content, calorific value, grape biomass, pomace, pellets

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