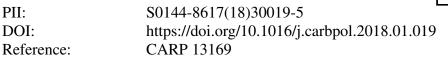
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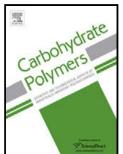


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ACCEPTED MANUSCRIPT

Effect of dynamic high pressure on emulsifying and encapsulant properties of cashew tree gum

Bruna Castro PORTO^{1,2}, Marcelo CRISTIANINI¹

¹Faculty of Food Engineering, Federal Institute of North of Minas Gerais (IFNMG), Brazil. ²Department of Food Technology (DTA), School of Food Engineering (FEA), University of Campinas (UNICAMP), Brazil

Corresponding author:

Bruna Castro Porto: DTA / FEA / UNICAMP – R. Monteiro Lobato, 80, Cidade Universitária, CEP: 13083-862, Campinas, SP, Brazil – portocbruna@gmail.com

Highlights

- DHP alters the emulsifying properties of polysaccharide without protein on the system
- DHP improved the emulsifying capacity of cashew tree gum
- The modified cashew tree gum presented smaller oil droplets

Abstract

Dynamic high pressure (DHP) has been applied in the physical modification of biopolymers as polysaccharides, proteins and gums. It is known that DHP is able to promote degradation of polysaccharides (e.g. molecular weight reduction). However, few studies have assessed the effect of DHP on the emulsifying and encapsulating properties of polysaccharides. Thus, this study aimed to investigate the effect of DHP on the Download English Version:

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