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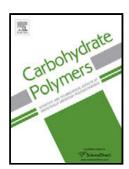
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ACCEPTED MANUSCRIPT

Microencapsulation of *Eugenia uniflora* L. juice by spray drying using fructans with different degrees of polymerisation

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Highlights

- Eugenia uniflora juice was efficiently encapsulated by fructans
- Fructans with different degrees of polymerisation were used as wall materials
- High degree polymerisation fructans had the highest encapsulation efficiency
- Optimal conditions were obtained with a 1:6 core:wall material ratio at 120–140 °C
- Fructans are a suitable wall material for microcapsules prepared by spray drying

ABSTRACT

The objective of this work was to microencapsulate pitanga (*Eugenia uniflora* L.) juice by spray drying, using High Performance Agave Fructans (HPAF) and High Degree of Polymerisation Agave Fructans (HDPAF) and maltodextrin (MD), respectively, as the wall materials. The physicochemical and antioxidant properties of the capsules during storage at various temperatures were evaluated. The microparticles developed using fructans HPAF

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