

عنوان مقاله:

Evaluation of Chocolate Milk Beverage Formulated with Modified Chitosan

محل انتشار:

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خلاصه مقاله:

Chitosan is a polysaccharide derived from chitin by N-deacetilation, which has the property of gel formation. The objective was to develop a chocolate milk beverage using modified (hydrogel) chitosan as a thickening agent, and to make a sensory and rheological evaluation of this beverage. In the sensory evaluation an acceptability and comparative test with $\Delta \circ$ local consumers was carried out, with the developed beverage and samples from the Brazilian market, with the attributes overall acceptability and viscosity. The hybrid hedonic scale was used. The rheological evaluation was carried out with a rotational rheometer (Rheotest) with the HI probe. A controlled rate test – ramp (o- $\Delta \circ \circ$, and $\Delta \circ - \circ c$ L s-1, IY \circ seconds, up and down), at Y Δ° C was used. There was no difference (P> $\circ . \circ \Delta$) among the beverages in the overall acceptability. In spite of that, the developed beverage had a better score (Y.IY) in comparison with a market beverage (*F*.F). The beverages differed in viscosity (P< $\circ . \circ \Delta$); the score of the developed beverage was Y. $\circ F$ and the score of the market beverage was $\circ . \Delta \circ Pa$ sn, while that of the developed beverage was $1.\Delta \circ Pa$ sn, showing a high difference in the consistence characteristic of the samples. The flow index (n) of the market beverage was $\circ . FY\Delta$. All market beverages showed thixotropic behavior. The .hydrogel chitosan was effective as a thickening agent and furnished a good acceptability of the beverage

کلمات کلیدی:

Chitosan, Chocolate products, Food development, Food structure, Hydrocolloid

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