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Antioxidant potential of eugenol and ginger essential oils with gelatin/chitosan films^{*}

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Abstract

Eugenol and ginger essential oils were incorporated in different film formulations to produce active films that might be used as food packaging. Optical, microstructural, mechanical, and barrier properties were characterized, as well as their antioxidant activity. Fourier transformed infrared spectroscopy analysis confirmed the presence of new bands with addition of eugenol or ginger essential oils, and scanning electron microscopy and atomic force microscopy analyses showed an increases in

^{*} **Antioxidant potential of activated gelatin/chitosan films**

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