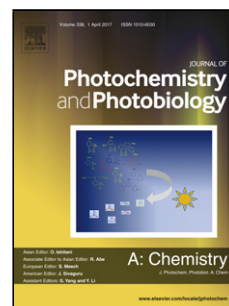


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Title: β -carotene and oleic acid contributions to the optical properties of amazonic oils

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PII: S1010-6030(17)30398-2
DOI: <http://dx.doi.org/doi:10.1016/j.jphotochem.2017.07.021>
Reference: JPC 10747

To appear in: *Journal of Photochemistry and Photobiology A: Chemistry*

Received date: 24-3-2017
Revised date: 3-7-2017
Accepted date: 18-7-2017

Please cite this article as: Paloma L. dos Santos, Marina F.B. Cenni, Bárbara B.A. Costa, Luiz A. Cury, *beta*-carotene and oleic acid contributions to the optical properties of amazonic oils, *Journal of Photochemistry & Photobiology, A: Chemistry* (2017), <http://dx.doi.org/10.1016/j.jphotochem.2017.07.021>

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Highlights

- Optical properties of açaí, andiroba, buriti and copaíba oils were investigated
- Their emission properties comes mainly from oleic acid and β -carotene compounds
- β -carotene phosphorescence causes in part low emission efficiency of the oils
- The low emission efficiency of the oils corroborate their antioxidant function

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