Accepted Manuscript

Title: Process intensification for producing powdered extracts rich in bioactive compounds: An economic approach

Author: Giovani L. Zabot Iuri P. Bitencourte Marcus V. Tres

M.A.A. Meireles

PII: S0896-8446(16)30352-7

DOI: http://dx.doi.org/doi:10.1016/j.supflu.2016.10.003

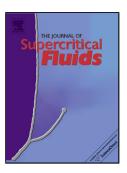
Reference: SUPFLU 3772

To appear in: J. of Supercritical Fluids

Received date: 28-8-2016 Revised date: 30-9-2016 Accepted date: 1-10-2016

Please cite this article as: Giovani L.Zabot, Iuri P.Bitencourte, Marcus V.Tres, M.A.A.Meireles, Process intensification for producing powdered extracts rich in bioactive compounds: An economic approach, The Journal of Supercritical Fluids http://dx.doi.org/10.1016/j.supflu.2016.10.003

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Highlights

The process comprises extracting and precipitating compounds in sequence

Quercetin-rich powdered extracts were obtained from onion peels (food waste)

The microparticle yields and concentration of quercetin are presented

The costs of manufacturing ranged between US\$ 45.50 to US\$ 475.46/kg microparticles

Itemized costs, returns on investment, gross margins and payback times are provided

Download English Version:

https://daneshyari.com/en/article/4909864

Download Persian Version:

https://daneshyari.com/article/4909864

<u>Daneshyari.com</u>