Accepted Manuscript

Fabrication of β -carotene nanoemulsion-based delivery systems using dualchannel microfluidization: Physical and chemical stability

Xiang Luo, Yanyan Zhou, Long Bai, Fuguo Liu, Yihui Deng, David Julian McClements

PII: S0021-9797(16)30934-1

DOI: http://dx.doi.org/10.1016/j.jcis.2016.11.057

Reference: YJCIS 21785

To appear in: Journal of Colloid and Interface Science

Received Date: 17 October 2016
Revised Date: 14 November 2016
Accepted Date: 15 November 2016



Please cite this article as: X. Luo, Y. Zhou, L. Bai, F. Liu, Y. Deng, D. Julian McClements, Fabrication of β-carotene nanoemulsion-based delivery systems using dual-channel microfluidization: Physical and chemical stability, *Journal of Colloid and Interface Science* (2016), doi: http://dx.doi.org/10.1016/j.jcis.2016.11.057

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

Fabrication of β-carotene nanoemulsion-based delivery systems using dual-channel microfluidization: Physical and chemical stability

Xiang Luo^{a,b}, Yanyan Zhou^c, Long Bai^b, Fuguo Liu^b, Yihui Deng*, David Julian McClements*, David

^a College of Pharmacy, Shenyang Pharmaceutical University, 103 Wenhua Road, Shenyang, Liaoning 110016, China

^b Biopolymers and Colloids Laboratory, Department of Food Science, University of Massachusetts, Amherst, MA 01003, USA

^c Research and Development Department, Zhejiang Medicine Co., Ltd Xinchang Pharmaceutical Factory, 59 East Huancheng Road, Shaoxing, Zhejiang 312500, China

Journal: Journal of Colloid and Interface Science

Submitted: 2016

Corresponding authors:

Yihui Deng, **E-mail address:** dengyihui@syphu.edu.cn; **Telephone:** +86 (0) 24 23986316

David Julian McClements, **E-mail address:** mcclements@foodsci.umass.edu;

Telephone: +1 413 545 1019

Download English Version:

https://daneshyari.com/en/article/4985204

Download Persian Version:

https://daneshyari.com/article/4985204

<u>Daneshyari.com</u>