

Accepted Manuscript

Title: Effect of fatty acids on self-assembly of soybean lecithin systems

Author: C.A. Godoy M. Valiente R. Pons G. Montalvo

PII: S0927-7765(15)00255-6
DOI: <http://dx.doi.org/doi:10.1016/j.colsurfb.2015.03.065>
Reference: COLSUB 7041

To appear in: *Colloids and Surfaces B: Biointerfaces*

Received date: 25-11-2014
Revised date: 23-3-2015
Accepted date: 31-3-2015



Please cite this article as: C.A. Godoy, M. Valiente, R. Pons, G. Montalvo, Effect of fatty acids on self-assembly of soybean lecithin systems, *Colloids and Surfaces B: Biointerfaces* (2015), <http://dx.doi.org/10.1016/j.colsurfb.2015.03.065>

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.

1 HIGHLIGHTS

2

3 • There are slight differences between phase diagrams of unsaturated fatty acids.

4 • Unsaturated fatty acid destabilizes lamellar bilayer and favor H₂, L₂ and cubic phases.

5 • Cubic (Fd₃m) and L₂ phases do not exist in presence of saturated palmitic acid.

6 • Kinetic stability of the systems are controlled by the unsaturation of fatty acids.

7

8

9

10

Download English Version:

<https://daneshyari.com/en/article/6981629>

Download Persian Version:

<https://daneshyari.com/article/6981629>

[Daneshyari.com](https://daneshyari.com)