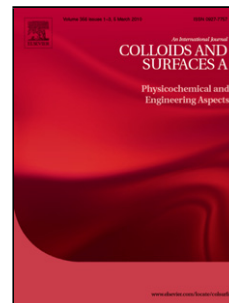


Accepted Manuscript

Title: The aqueous Triton X-100—Dodecyltrimethylammonium bromide micellar mixed system. Experimental results and thermodynamic analysis

Authors: Patricio Serafini, Marcos Fernández-Leyes, Jhon Sánchez M., Romina B. Pereyra, Erica P. Schulz, Guillermo A. Durand, Pablo C. Schulz, Hernán A. Ritacco



PII: S0927-7757(18)31057-4
DOI: <https://doi.org/10.1016/j.colsurfa.2018.09.027>
Reference: COLSUA 22827

To appear in: *Colloids and Surfaces A: Physicochem. Eng. Aspects*

Received date: 10-7-2018
Revised date: 10-9-2018
Accepted date: 10-9-2018

Please cite this article as: Serafini P, Fernández-Leyes M, Sánchez M. J, Pereyra RB, Schulz EP, Durand GA, Schulz PC, Ritacco HA, The aqueous Triton X-100—Dodecyltrimethylammonium bromide micellar mixed system. Experimental results and thermodynamic analysis, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (2018), <https://doi.org/10.1016/j.colsurfa.2018.09.027>

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.

The aqueous Triton X-100 - Dodecyltrimethylammonium bromide micellar mixed system. Experimental results and thermodynamic analysis.

Patricio Serafini¹, Marcos Fernández-Leyes¹, Jhon Sánchez M.¹, Romina B. Pereyra², Erica P. Schulz², Guillermo A. Durand³, Pablo C. Schulz² and Hernán A. Ritacco^{(*)1}.

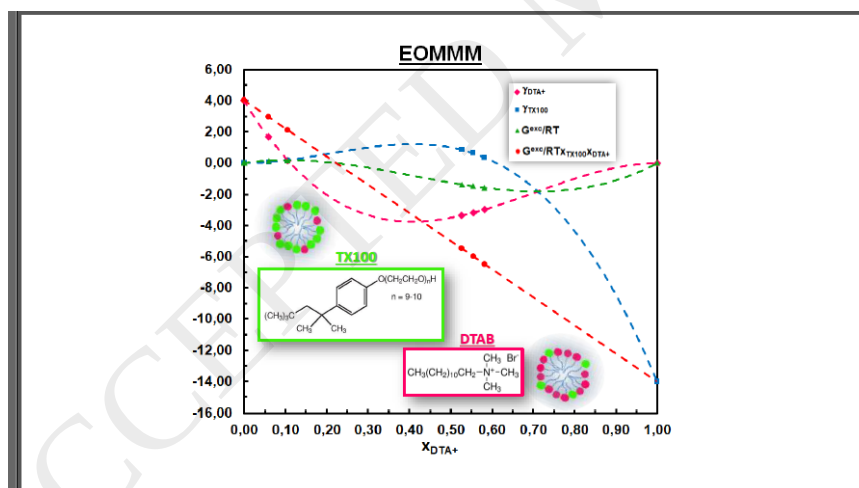
¹ Instituto de Física del Sur (IFISUR), Departamento de Física, Universidad Nacional del Sur (UNS), CONICET, Av. L. N. Alem 1253, B8000CPB - Bahía Blanca, Argentina.

² Instituto de Química del Sur (INQUISUR-CONICET) and Departamento de Química, Universidad Nacional del Sur.

³ Planta Piloto de Ingeniería Química (PLAPIQUI- CONICET-Universidad Nacional del Sur).

(*) Corresponding author: herman.ritacco@uns.edu.ar

Graphical abstract



ABSTRACT.

The micellization process of the aqueous mixed system triton X-100 (TX100) – dodecyltrimethylammonium bromide (DTAB) has been studied with a battery of techniques: surface tension, static and dynamic light scattering and ion-selective electrodes. Results have been also analysed with two thermodynamic procedures: the

Download English Version:

<https://daneshyari.com/en/article/10226104>

Download Persian Version:

<https://daneshyari.com/article/10226104>

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