Accepted Manuscript

Title: Adsorption of Pb(II) from fish sauce using carboxylated cellulose nanocrystal: Isotherm, kinetics, and thermodynamic studies

Author: Nan Wang RuNa Jin A.M. Omer Xiaokun OuYang

PII: S0141-8130(16)32986-5

DOI: http://dx.doi.org/doi:10.1016/j.ijbiomac.2017.03.150

Reference: BIOMAC 7316

To appear in: International Journal of Biological Macromolecules

Received date: 21-12-2016

Please cite this article as: N. Wang, R.N. Jin, A.M. Omer, X. OuYang, Adsorption of Pb(II) from fish sauce using carboxylated cellulose nanocrystal: Isotherm, kinetics, and thermodynamic studies, *International Journal of Biological Macromolecules* (2017), http://dx.doi.org/10.1016/j.ijbiomac.2017.03.150

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

Adsorption of Pb(II) from fish sauce using carboxylated cellulose nanocrystal: Isotherm, kinetics, and thermodynamic studies

Nan Wang^a, Ru–Na Jin^a, A. M. Omer^{a,b}, Xiao–kun OuYang^a*

^aSchool of Food and Pharmacy, Zhejiang Ocean University, Zhoushan 316022, P.R. China

^bPolymer Materials Research Department, Advanced Technology and New Materials Research Institute, SRTA-City, New Borg El-Arab City, P.O. Box: 21934, Alexandria, Egypt

*Corresponding Author: Xiao-kun OuYang

Tel.: +86–580–2554781. Fax: +86–580–2554781. E-mail address: xkouyang@zjou.edu.cn (Xiao-kun OuYang).

Download English Version:

https://daneshyari.com/en/article/5511747

Download Persian Version:

https://daneshyari.com/article/5511747

<u>Daneshyari.com</u>