

Accepted Manuscript

Title: Pore-expanded SBA-15 for the immobilization of a recombinant *Candida antarctica* lipase B: Application in esterification and hydrolysis as model reactions

Authors: Nathalia Saraiva Rios, Maisa Pessoa Pinheiro, Magno Luís Bezerra Lima, Denise Maria Guimarães Freire, Ivanildo José da Silva Júnior, Enrique Rodríguez-Castellón, Hosiberto Batista de Sant'Ana, André Casimiro Macedo, Luciana Rocha Barros Gonçalves

PII: S0263-8762(17)30597-X
DOI: <https://doi.org/10.1016/j.cherd.2017.10.032>
Reference: CHERD 2873

To appear in:

Received date: 17-4-2017
Revised date: 11-10-2017
Accepted date: 29-10-2017

Please cite this article as: Rios, Nathalia Saraiva, Pinheiro, Maisa Pessoa, Lima, Magno Luís Bezerra, Freire, Denise Maria Guimarães, da Silva, Ivanildo José, Rodríguez-Castellón, Enrique, de Sant'Ana, Hosiberto Batista, Macedo, André Casimiro, Gonçalves, Luciana Rocha Barros, Pore-expanded SBA-15 for the immobilization of a recombinant *Candida antarctica* lipase B: Application in esterification and hydrolysis as model reactions. *Chemical Engineering Research and Design* <https://doi.org/10.1016/j.cherd.2017.10.032>

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.



Pore-expanded SBA-15 for the immobilization of a recombinant *Candida antarctica* lipase B: Application in esterification and hydrolysis as model reactions

Nathalia Saraiva Rios^a; Maisa Pessoa Pinheiro^a; Magno Luís Bezerra Lima^a; Denise Maria Guimarães Freire^b; Ivanildo José da Silva Júnior^a; Enrique Rodríguez-Castellón^c; Hosiberto Batista de Sant'Ana^a; André Casimiro Macedo^a; Luciana Rocha Barros Gonçalves^{a*}

^a Departamento de Engenharia Química, Universidade Federal do Ceará, Campus do Pici, Bloco 709, CEP 60455-760, Fortaleza, CE, Brazil. Tel.: +55 85 4008 9611; fax: +55 85 4008 9610.

^b Programa de Pós-Graduação em Bioquímica/Instituto de Química, Centro de Tecnologia, Universidade Federal Do Rio de Janeiro, Bloco A, 7o Andar, Rio de Janeiro, RJ, Brazil.

^c Departamento de Química Inorgánica, Facultad de Ciencias, Universidad de Málaga, Campus de Teatinos, Boulevard Louis Pasteur, 29010, Málaga, Spain.

*Corresponding author: Dr. Luciana Rocha B. Gonçalves,

Tel.: +55 85 4008 9611; fax: +55 85 4008 9610;

E-mail: lrg@ufc.br;

Download English Version:

<https://daneshyari.com/en/article/7006287>

Download Persian Version:

<https://daneshyari.com/article/7006287>

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