

Accepted Manuscript

Altered electrochemistry of oxcarbazepine on cathodically treated boron-doped diamond electrode: Selective detection by pulsed amperometric detection coupled to flow-injection analysis

Amanda B. Lima, Fernando M. de Oliveira, Tiago de J. Guedes, Raquel M.F. Sousa, Rodrigo A.A. Munoz, Wallans T.P. dos Santos

PII: S0013-4686(17)32649-X

DOI: [10.1016/j.electacta.2017.12.089](https://doi.org/10.1016/j.electacta.2017.12.089)

Reference: EA 30877

To appear in: *Electrochimica Acta*

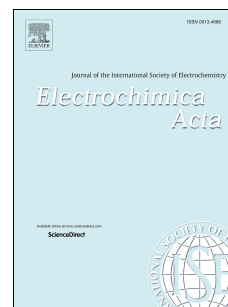
Received Date: 15 September 2017

Revised Date: 6 December 2017

Accepted Date: 12 December 2017

Please cite this article as: A.B. Lima, F.M. de Oliveira, T.d.J. Guedes, R.M.F. Sousa, R.A.A. Munoz, W.T.P. dos Santos, Altered electrochemistry of oxcarbazepine on cathodically treated boron-doped diamond electrode: Selective detection by pulsed amperometric detection coupled to flow-injection analysis, *Electrochimica Acta* (2018), doi: 10.1016/j.electacta.2017.12.089.

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 **Altered electrochemistry of oxcarbazepine on cathodically treated**
2 **boron-doped diamond electrode: Selective detection by pulsed**
3 **amperometric detection coupled to flow-injection analysis**

4 Amanda B. Lima^a, Fernando M. de Oliveira^{a,b}, Tiago de J. Guedes^a, Raquel M. F.
5 Sousa^c, Rodrigo A. A. Munoz^c, Wallans T.P. dos Santos^{d,*}

6 ^aDepartamento de Química, Universidade Federal dos Vales do Jequitinhonha e Mucuri
7 (UFVJM), Rodovia MGT 367, km 583, N^o 5000, Alto da Jacuba, 39100-000
8 Diamantina-MG, Brazil.

9 ^bInstituto Federal de Minas Gerais (IFMG), Rua Itamarati N^o 140, Bairro São Caetano,
10 32677-564 Betim-MG, Brazil.

11 ^cInstituto de Química, Universidade Federal de Uberlândia (UFU), 38408-100,
12 Uberlândia, MG, Brazil

13 ^dDepartamento de Farmácia, Universidade Federal dos Vales do Jequitinhonha e Mucuri
14 (UFVJM), Rodovia MGT 367, km 583, N^o 5000, Alto da Jacuba, 39100-000
15 Diamantina-MG, Brazil.

16 -----

17 *Corresponding author: W.T.P. dos Santos (wallanst@ufvjm.edu.br)

18 Phone/Fax: 55-038-3532-1239

19

20

21

22

23

24

25

Download English Version:

<https://daneshyari.com/en/article/6604889>

Download Persian Version:

<https://daneshyari.com/article/6604889>

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