

## Accepted Manuscript

Title: Dual-opposite end multiple injection method applied to sequential determination of Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>+2</sup>, Mg<sup>+2</sup> ions and free and total glycerol in biodiesel by Capillary Zone Electrophoresis

Authors: Alysson V.F. Sako, Daniel A. Spudeit, Maurício Dupim, Waldemar P.O. Filho, Tatiana D. Saint’Pierre, Marcone A.L. de Oliveira, Gustavo A. Micke

PII: S0021-9673(18)30964-6  
DOI: <https://doi.org/10.1016/j.chroma.2018.07.079>  
Reference: CHROMA 359591

To appear in: *Journal of Chromatography A*

Received date: 22-5-2018  
Revised date: 24-7-2018  
Accepted date: 28-7-2018

Please cite this article as: Sako AVF, Spudeit DA, Dupim M, Filho WPO, Saint’Pierre TD, de Oliveira MAL, Micke GA, Dual-opposite end multiple injection method applied to sequential determination of Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>+2</sup>, Mg<sup>+2</sup> ions and free and total glycerol in biodiesel by Capillary Zone Electrophoresis, *Journal of Chromatography A* (2018), <https://doi.org/10.1016/j.chroma.2018.07.079>

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.



**Dual-opposite end multiple injection method applied to sequential determination of Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>+2</sup>, Mg<sup>+2</sup> ions and free and total glycerol in biodiesel by Capillary Zone Electrophoresis**

Alysson V. F. Sako<sup>a</sup>, Daniel A. Spudeit<sup>a</sup>, Maurício Dupim<sup>b</sup>, Waldemar P. O. Filho<sup>c</sup>, Tatiana D. Saint Pierre<sup>b</sup>, Marcone A. L. de Oliveira<sup>d</sup>, Gustavo A. Micke<sup>a\*</sup>

<sup>a</sup>Department of Chemistry, Federal University of Santa Catarina, 88040-900, Florianópolis - SC, Brazil

<sup>b</sup>Department of Chemistry, Pontifical Catholic University of Rio de Janeiro, 22451-900, Rio de Janeiro - RJ, Brazil

<sup>c</sup> Center for Research and Technological Analysis, National Agency of Petroleum, Natural Gas and Biofuels, 70830-902, Brasília - DF, Brazil

<sup>d</sup>Department of Chemistry, Institute of Exact Sciences, Federal University of Juiz de Fora, 36036-330, Juiz de Fora - MG, Brazil

\* Corresponding author. Tel.: +55 48 3721 9852; Fax: +55 48 3721 9852.

E-mail address: gustavo.micke@ufsc.br

### Highlights

- Method to quantify K<sup>+</sup>, Na<sup>+</sup>, Ca<sup>+2</sup>, Mg<sup>+2</sup>, free and total glycerol in biodiesel.

Download English Version:

<https://daneshyari.com/en/article/8961166>

Download Persian Version:

<https://daneshyari.com/article/8961166>

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