

NEW METHODS FOR MEASURING THE QUALITY OF BIOETHANOL

Paula G. Fenga¹, Marcelo F. Oliveira², Adelir A. Saczk⁴, Leonardo L. Okumura³, Regina M. Takeuchi⁵, André L. Santos⁵, Maria V. B. Zanoni¹, Nelson R. Stradiotto¹

¹Instituto de Química – Universidade Estadual Paulista (UNESP) – Araraquara (SP)

²Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto – Universidade de São Paulo (USP) – Ribeirão Preto (SP)

³Centro de Ciências Exatas - Universidade Federal de Viçosa – Viçosa (MG)

⁴Centro de Análise e Prospecção Química - Universidade Federal de Lavras – Lavras (MG)

⁵Faculdade de Ciências Integradas do Pontal – Universidade Federal de Uberlândia (UFU) – Ituiutaba (MG)

In the area of bioenergy, biofuels play an increasingly prominent role within the energy matrix of various countries around the world. Among these, bioethanol has a unique attractive since it can be used as an additive in gasoline and alternate fuels. The quality of bioethanol is one of the key factors to ensure the sustainability of biofuel in domestic and international markets. The quality assured by the specifications of regulatory agencies has been modified due to the economic and environmental sustainability of bioethanol. Thus, changes in the maximum limits allowed and the determination of other chemical species has caused the emergence of new analysis methods that allow the quality of bioethanol. The paper presents new methods of analysis of bioethanol developed using spectroscopic and electrochemical chromatographic techniques for the determination of various chemical species.

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