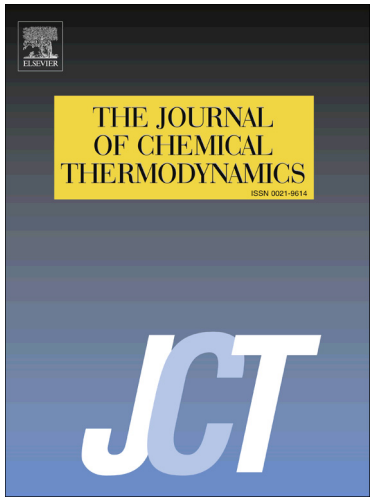

Density, speed of sound and refractive index of mixtures containing 2-phenoxyethanol with propanol or butanol at various temperatures

Hamdi Makhlouf, Natalia Muñoz-Rujas, Fernando Aguilar, Boucif Belhachemi, Eduardo A. Montero, Indra Bahadur, Latifa Negadi

PII: S0021-9614(18)30470-1
DOI: https://doi.org/10.1016/j.jct.2018.08.029
Reference: YJCHT 5517

To appear in: *J. Chem. Thermodynamics*

Received Date: 4 May 2018
Revised Date: 17 July 2018
Accepted Date: 18 August 2018

Please cite this article as: H. Makhlouf, N. Muñoz-Rujas, F. Aguilar, B. Belhachemi, E.A. Montero, I. Bahadur, L. Negadi, Density, speed of sound and refractive index of mixtures containing 2-phenoxyethanol with propanol or butanol at various temperatures, *J. Chem. Thermodynamics* (2018), doi: https://doi.org/10.1016/j.jct.2018.08.029

Density, speed of sound and refractive index of mixtures containing 2-phenoxyethanol with propanol or butanol at various temperatures

Hamdi Makhlouf [1], Natalia Muñoz-Rujas [2], Fernando Aguilar [2], Boucif Belhachemi [1], Eduardo A. Montero [2], Indra Bahadur [3], Latifa Negadi [1,4,5,*]

[1] *Department of Chemistry, Faculty of Sciences, University of Tlemcen, Post Office Box 119, 13000 Tlemcen, Algeria*

[2] *Departamento de Ingeniería Electromecánica, Universidad de Burgos, Escuela Politécnica Superior, Avenida Cantabria s/n 09006 Burgos (Spain)*

[3] *Department of Chemistry. School of Mathematical and Physical Sciences. Materials Science Innovation & Modelling (MaSIM) Research Focus Area, Faculty of Natural and Agricultural. Science, North-West University (Mafikeng Campus), Private Bag X2046. Mmabatho 2735, South Africa*

[4] *LATA2M. Laboratoire de Thermodynamique Appliquée et Modélisation Moléculaire, University of Tlemcen, Post Office Box 119, Tlemcen 13000, Algeria*

[5] *Thermodynamics Research Unit, School of Engineering, University of KwaZulu-Natal, Howard College Campus, King George V Avenue, 4041 Durban, South Africa*

*Corresponding authors: l_negadi@mail.univ-tlemcen.dz; latifanegadi@yahoo.fr; Tel. & Fax: +213 43 21 63 71