

Supplementary material to

Effects of temperature on physicochemical properties of the lecithin-based deep eutectic solvents and their use in the CaO-catalyzed transesterification

Zoran B. Todorović¹, Biljana S. Đorđević¹, Dragan Z. Troter¹, Ljiljana M. Veselinović², Miodrag V. Zdujić² and Vlada B. Veljković^{1,3}

¹University of Niš, Faculty of Technology, Bulevar Oslobođenja 124, 16000 Leskovac, Serbia

²Institute of Technical Sciences of the Serbian Academy of Sciences and Arts, Knez Mihailova 35, 11000 Belgrade, Serbia

³Serbian Academy of Sciences and Arts, Knez Mihailova 35, 11000 Belgrade, Serbia

Hem. Ind. **77**(1) 53-67 (2023) <https://doi.org/10.2298/HEMIND220527016T>

Table D1. The physicochemical properties of LEC:G DES

T / K	$\rho / \text{kg}\cdot\text{m}^{-3}$	$\eta / \text{Pa}\cdot\text{s}$	n_D
293.15	1342.3	solid	1.4703
303.15	1333.5	solid	1.4696
313.15	1326.7	11.457	1.4683
323.15	1317.9	6.126	1.4671
333.15	1309.4	2.906	1.4661
343.15	1302.2	1.553	1.4650
353.15	1294.1	0.921	1.4636
363.15	1285.8	0.588	1.4628

Table D2. The physicochemical properties of LEC:TEOA DES

T / K	$\rho / \text{kg}\cdot\text{m}^{-3}$	$\eta / \text{Pa}\cdot\text{s}$	n_D
293.15	1379.9	22.369	1.4853
303.15	1375.3	15.547	1.4803
313.15	1369.5	9.992	1.4771
323.15	1365.4	5.413	1.4728
333.15	1359.6	2.694	1.4694
343.15	1356.5	1.675	1.4653
353.15	1352.1	1.081	1.4622
363.15	1347.9	0.702	1.4601

Table D3. The physicochemical properties of LEC:OLA DES

T / K	$\rho / \text{kg}\cdot\text{m}^{-3}$	$\eta / \text{Pa}\cdot\text{s}$	n_D
293.15	1397.6	20.61	1.4651
303.15	1389.4	13.436	1.4608
313.15	1381.9	7.913	1.4542
323.15	1373.6	4.034	1.4513
333.15	1365.1	2.101	1.4446
343.15	1357.7	1.603	1.4410
353.15	1349.0	1.054	1.4355
363.15	1341.4	0.711	1.4305



