

Supporting Information

Ionic Liquids Microemulsions: The Key to *Candida antarctica* Lipase B Superactivity

Sónia P. M. Ventura<sup>CICECO, Departamento de Química, Universidade de Aveiro, 3810-193 Aveiro, Portugal,
spventura@ua.pt</sup>, Luísa D. F. Santos<sup>CICECO, Departamento de Química, Universidade de Aveiro, 3810-193 Aveiro,
Portugal, luisadsantos@ua.pt</sup>, Jorge A. Saraiva<sup>QOPNA, Departamento de Química, Universidade de Aveiro, 3810-193
Aveiro, Portugal, jorgesaraiva@ua.pt</sup>, João A. P. Coutinho<sup>* CICECO, Departamento de Química, Universidade de
Aveiro, 3810-193 Aveiro, Portugal, jcoutinho@ua.pt</sup>

*Corresponding author

Campus Universitário de Santiago, University of Aveiro, Aveiro, Portugal
Tel: +351-234-370200; Fax: +351-234-370084; E-mail address: jcoutinho@ua.pt

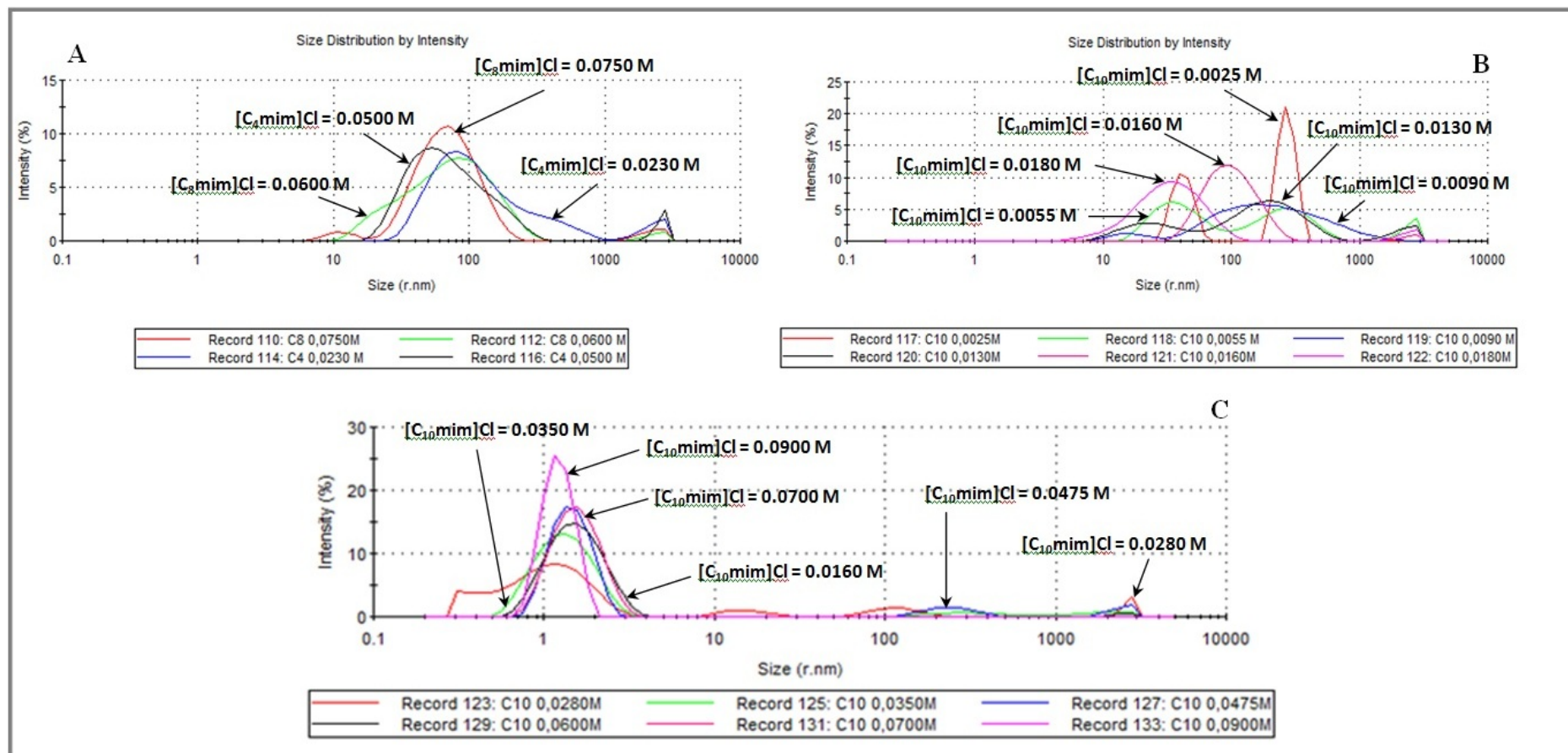


Figure S1. Particle size distribution for the various ILs' systems: A- $[\text{C}_4\text{mim}]\text{Cl}$ and $[\text{C}_8\text{mim}]\text{Cl}$ at different molar concentrations (M); B- $[\text{C}_{10}\text{mim}]\text{Cl}$ at low concentrations ($0.0025\text{-}0.0180\text{ mol.L}^{-1}$); C- $[\text{C}_{10}\text{mim}]\text{Cl}$ at high concentrations ($0.0280\text{-}0.0900\text{ mol.L}^{-1}$).

Table S1: Dependency of the enzymatic activity (U.L^{-1}) of CaLB on temperature and $[\text{C}_{10}\text{mim}]\text{Cl}$ concentration.

Temperature $^{\circ}\text{C}$	$[\text{C}_{10}\text{mim}]\text{Cl}$ 0 mol.L^{-1}	$[\text{C}_{10}\text{mim}]\text{Cl}$ 0.023 mol.L^{-1}	$[\text{C}_{10}\text{mim}]\text{Cl}$ 0.055 mol.L^{-1}
23	16.2	9.91	48.6
26	17.1	11.7	73.0
28	18.9	14.4	84.7
30	19.8		113
35	36.0		155
40	64.9	41.4	225
$E_a \pm \text{std} / \text{J.mol}^{-1}$	65220 ± 3316	66673 ± 7920	67559 ± 4570