

Supplementary Materials

# Electrosprayed Agar Nanocapsules as Edible Carriers of Bioactive Compounds

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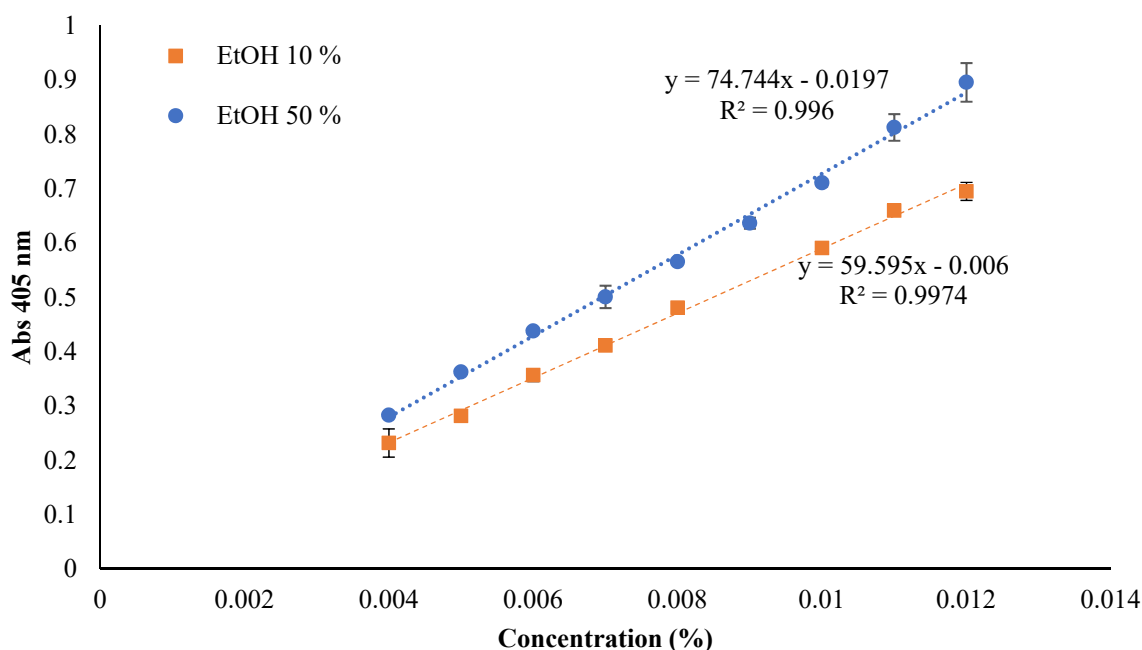


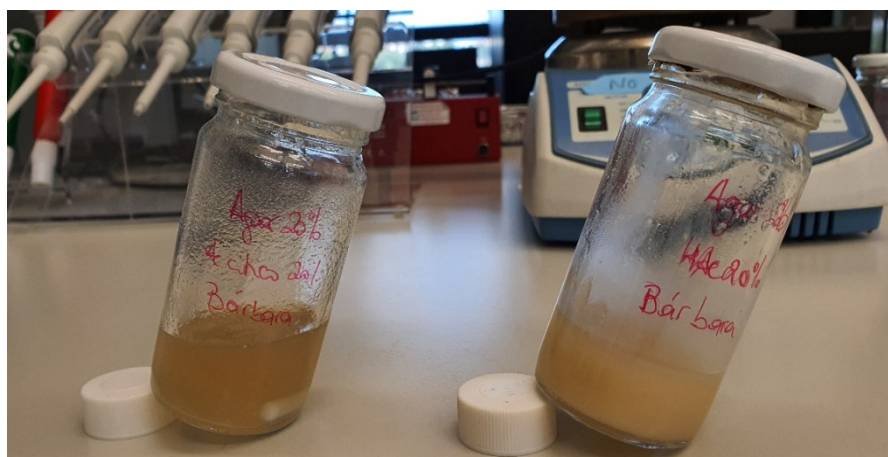
Figure S1. Chlorophyllin calibration curves in EtOH at 10 and 50% v/v.



**Figure S2.** Agar solutions (from left to right: 2.5, 5.0 and 10.0% *w/v*) in HAc 20% *v/v*.



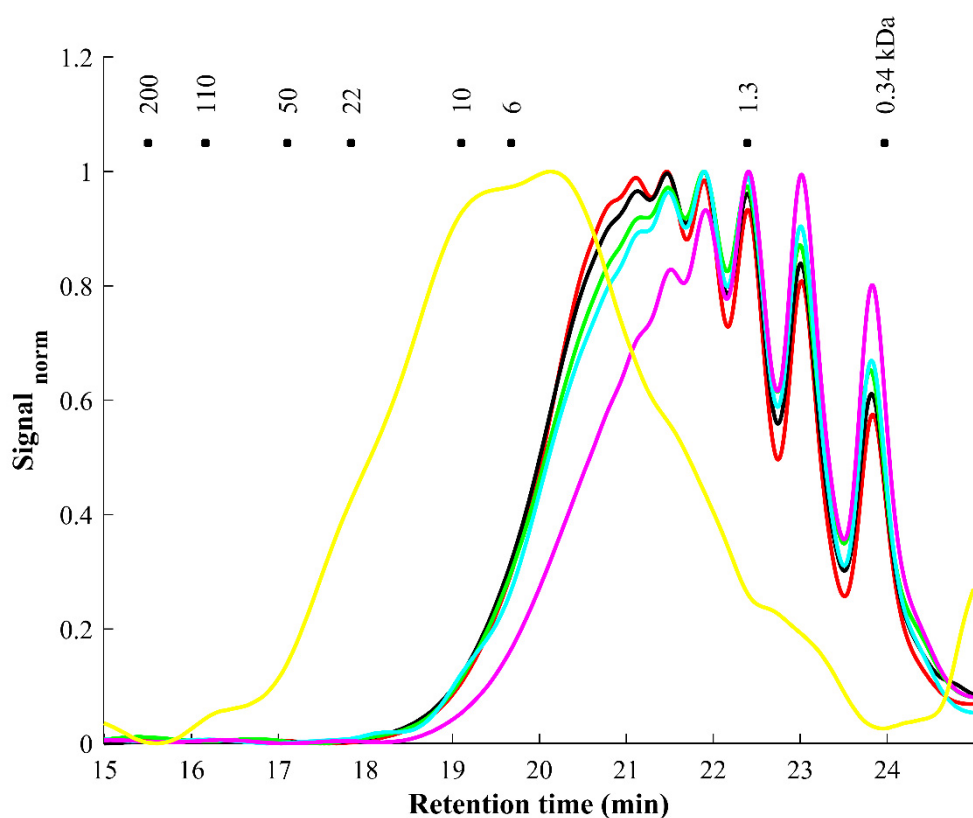
**Figure S3.** Agar 15 % *w/v* in HAc 20 % *v/v*.



**Figure S4.** Evaluation of citric acid (left) and acetic acid (right) for the dissolution of agar 20% *w/v*.

**Table S1.** Mw weight average, Mn Number average and PDI polydispersity index, for agar samples prepared under different conditions.

<i>Sample</i>	<b>Mn</b>	<b>Mw</b>	<b>PDI</b>
<i>Agar10%HAc20%</i>	2.27	4.70	2.07
<i>Agar15%HAc30%</i>	2.29	5.52	2.27
<i>Agar20%HAc40%</i>	2.23	5.49	2.45
<i>Agar15%HAc40%</i>	2.26	5.56	2.45
<i>Agar10%HAc40%</i>	1.68	3.83	2.27
<i>Agar10% - water</i>	7.92	20.75	2.46

**Figure S5.** Molecular weight distribution of the agar solutions: Agar10%HAc20% (■), Agar15%HAc30% (■), Agar20%HAc40% (■), Agar15%HAc40% (■), Agar10%HAc40% (■) and Agar10%-water (■). The black squares correspond to pullulan standards with the matching molecular weight.