

## Supplementary Information

# **Comparison of emulsion stabilizers: application for enhancement of bioactivity of lemongrass essential oil**

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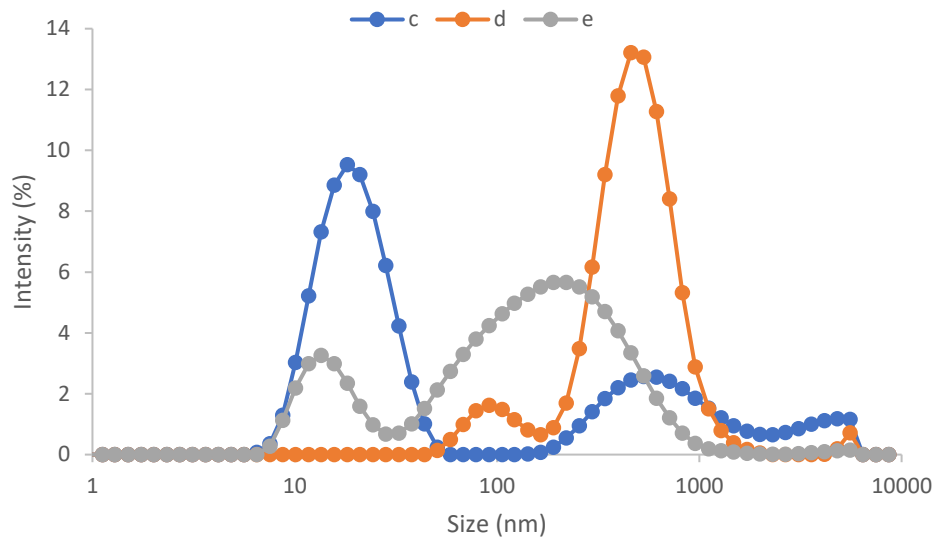


Figure S1 Particle size distribution of emulsion samples encapsulated with lemongrass essential oil. (c) essential oil encapsulated by tween 80; (d) essential oil encapsulated by soybean CNC in the presence of NaCl (i.e., salted CNC); (e) essential oil encapsulated by tween 80 and salted CNC. The samples were labeled to match the labeling in Figures 6 ~ 8.

Table S1 Particle size information of emulsion samples encapsulated with lemongrass essential oil (corresponding to Figure S1)

Sample	Peak 1 <sup>1</sup> center (nm)	Peak 1 height (%)	Peak 2 center (nm)	Peak 2 height (%)	Peak 3 center (nm)	Peak 3 height (%)	Mean particle size (nm)	Median particle size (nm)
c	18.2	9.53	531	2.57	4800	1.18	49	22
d	91.3	1.62	459	13.21	5560	0.71	516	421
e	13.5	3.26	220	5.66	5560	0.15	71	132

<sup>1</sup>All the emulsion samples loaded with lemongrass essential oils had three peaks in the particle size distribution profiles. The center of the peaks (i.e., peak 1, 2, and 3) refers to the location of the peaks, while the peak height refers to the percent intensity at that peak.