

Table S3. The particle size and PDI of emulsions different treatment groups before and after heating treatment

Treatment group	Heating treatment	Particle size(nm)	PDI
COB-S-0.5	control	499.63±6.36	0.162±0.032
	T60-12h	491.17±7.23	0.146±0.018
	T75-12h	495.00±9.64	0.140±0.034
	T90-12h	499.43±12.88	0.160±0.016
POB-S-0.5	control	437.33±0.80	0.176±0.038
	T60-12h	437.40±1.47	0.182±0.008
	T75-12h	442.57±3.22	0.178±0.020
	T90-12h	444.70±6.71	0.156±0.006
COB-H-0.5	control	466.4±14.15	0.173±0.033
	T60-12h	463.67±5.61	0.158±0.021
	T75-12h	468.50±8.66	0.149±0.035
	T90-12h	465.43±7.66	0.172±0.035
POB-H-0.5	control	417.47±5.35	0.190±0.016
	T60-12h	419.43±5.65	0.187±0.017
	T75-12h	421.90±3.82	0.154±0.006
	T90-12h	423.17±3.51	0.184±0.027
COB-U-0.5	control	479.43±6.24	0.170±0.004
	T60-12h	477.50±7.22	0.171±0.012
	T75-12h	484.63±3.72	0.190±0.015
	T90-12h	481.93±6.99	0.178±0.010
POB-U-0.5	control	433.47±3.18	0.170±0.006
	T60-12h	426.33±8.48	0.182±0.012
	T75-12h	436.73±5.35	0.164±0.019
	T90-12h	430.23±2.72	0.165±0.011

Notes: S: Stirring, H: Homogenization, U: Ultrasonication. Error bars indicate the standard deviation from triplicate tests. Different letters indicate significant differences ($p < 0.05$).