

Supplementary Table S1: Changes in retention rate of emulsions under different treatments during storage. Data are presented as mean  $\pm$  standard deviation. Within the same treatment group, values marked with different lowercase letters (a, b, c, d) indicate statistically significant differences ( $p < 0.05$ ) between storage days.

Group	Time (day)	Mean $\pm$ SD	Significance group
Native	0	66.87 $\pm$ 2.40	a
	3	60.46 $\pm$ 1.80	ab
	6	52.89 $\pm$ 0.90	b
	9	48.21 $\pm$ 1.70	bc
	12	46.14 $\pm$ 1.10	c
	0	72.17 $\pm$ 1.20	a
70°C	3	67.85 $\pm$ 2.10	ab
	6	55.51 $\pm$ 1.40	b
	9	50.63 $\pm$ 1.10	bc
	12	47.46 $\pm$ 1.60	c
	0	78.71 $\pm$ 1.60	a
	3	70.91 $\pm$ 2.50	ab
90°C	6	63.82 $\pm$ 0.80	b
	9	58.27 $\pm$ 1.20	c
	12	53.74 $\pm$ 1.80	c
	0	83.29 $\pm$ 1.40	a
	3	80.66 $\pm$ 2.10	a
	6	74.65 $\pm$ 1.20	ab
120°C	9	68.93 $\pm$ 1.80	b
	12	59.36 $\pm$ 0.90	c
	0	80.73 $\pm$ 1.20	a
	3	79.94 $\pm$ 1.90	a
	6	71.89 $\pm$ 0.80	ab
	9	62.70 $\pm$ 1.10	b
140°C	12	57.38 $\pm$ 1.70	c