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Article

Study for Evaluation of Hydrogels after the Incorporation of Liposomes Embedded with Caffeic Acid

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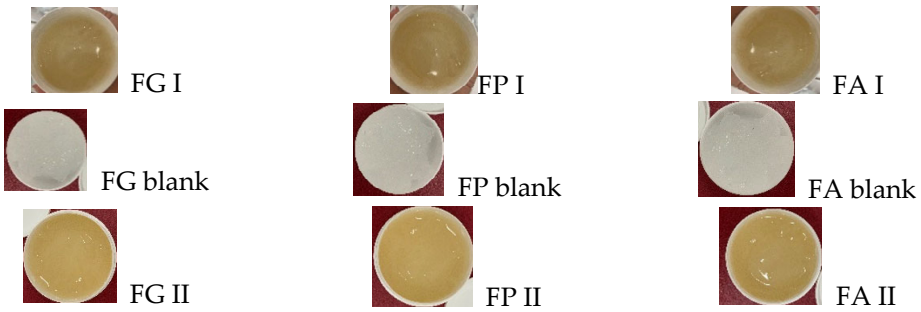

Figure S1. The color of hydrogels.

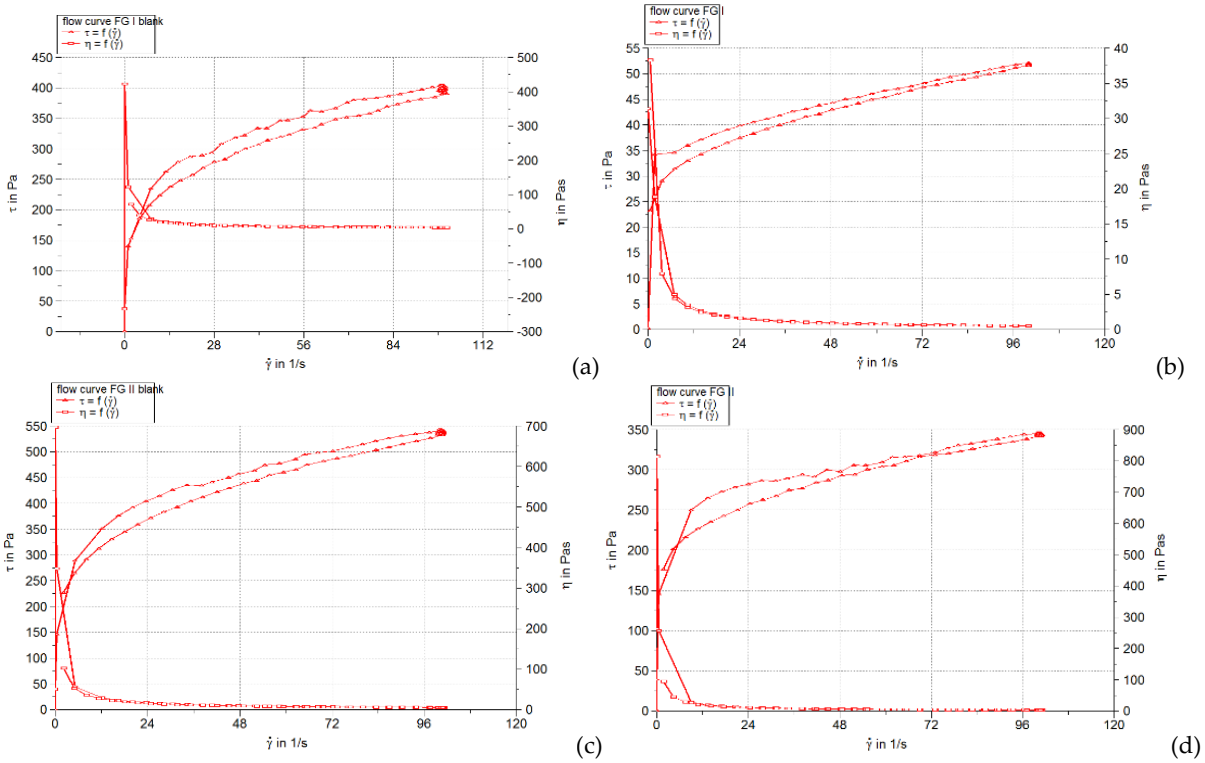

Figure S2. Rheograms and viscosity curves of Carbopol 940 and glycerol hydrogels, simple or loaded with caffeic acid liposomes: (a) FGI blank, (b) FGI, (c) FGII blank, (d) FGII.

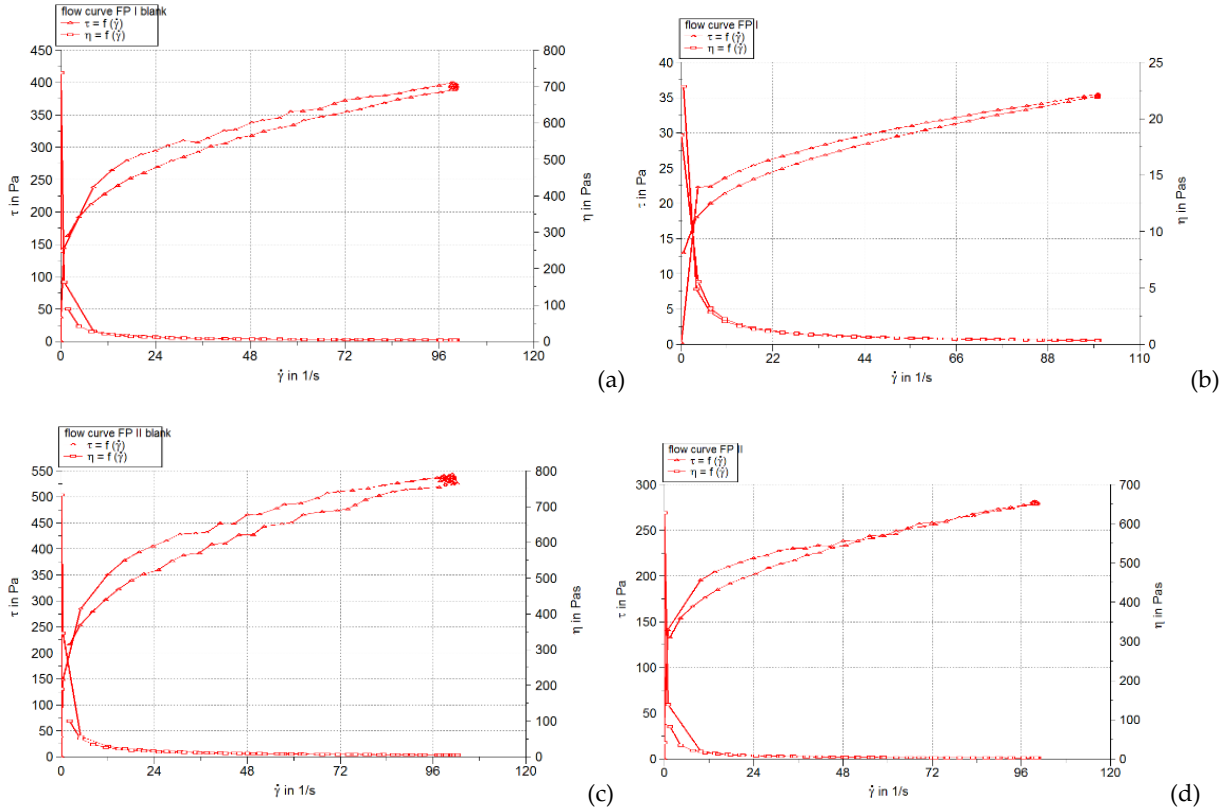

Figure S3. Rheograms and viscosity curves of Carbopol 940 and propylene glycol hydrogels, simple or loaded with caffeic acid liposomes: (a) FPI blank, (b) FPI, (c) FPII blank, (d) FPII.

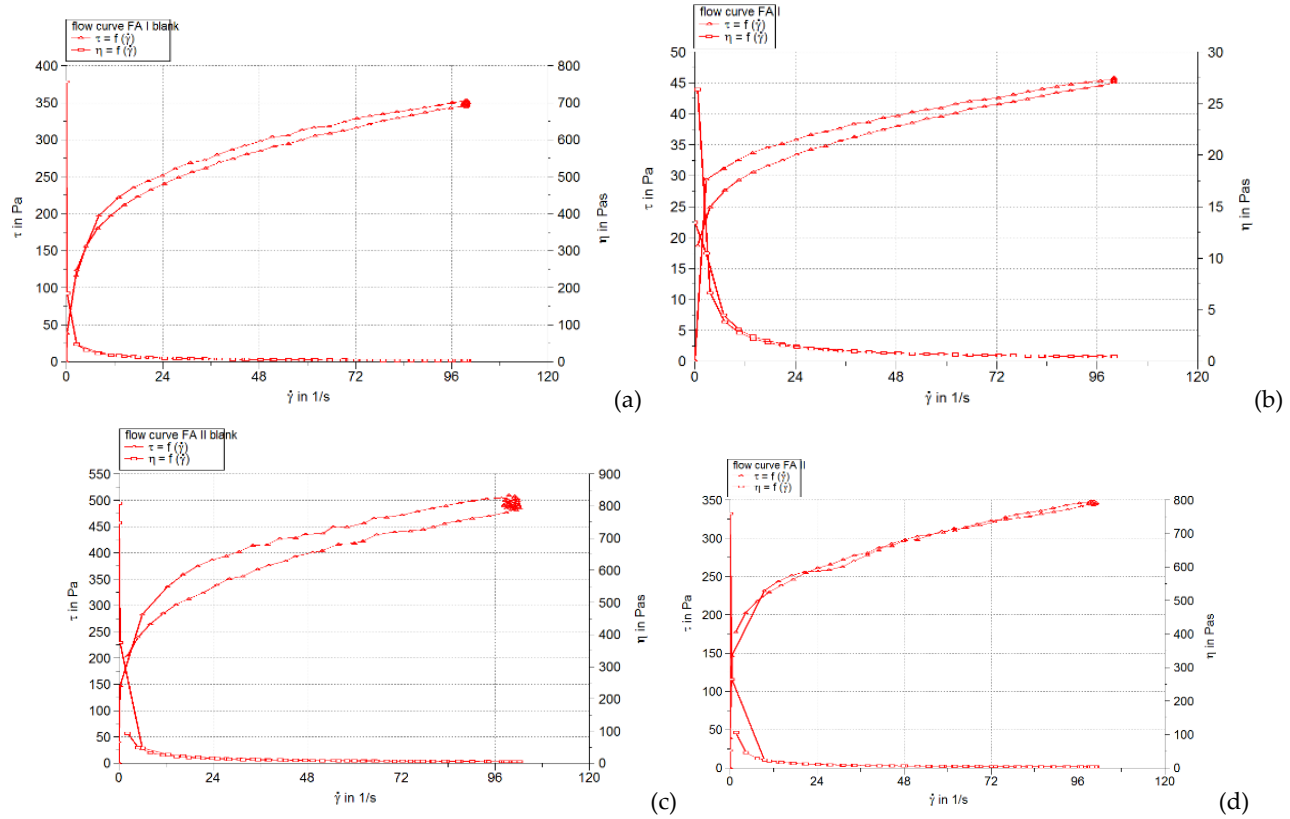

Figure S4. Rheograms and viscosity curves of Carbopol 940 and isopropyl alcohol hydrogels, simple or loaded with caffeic acid liposomes: (a) FAI blank, (b) FAI, (c) FAII blank, (d) FAII.

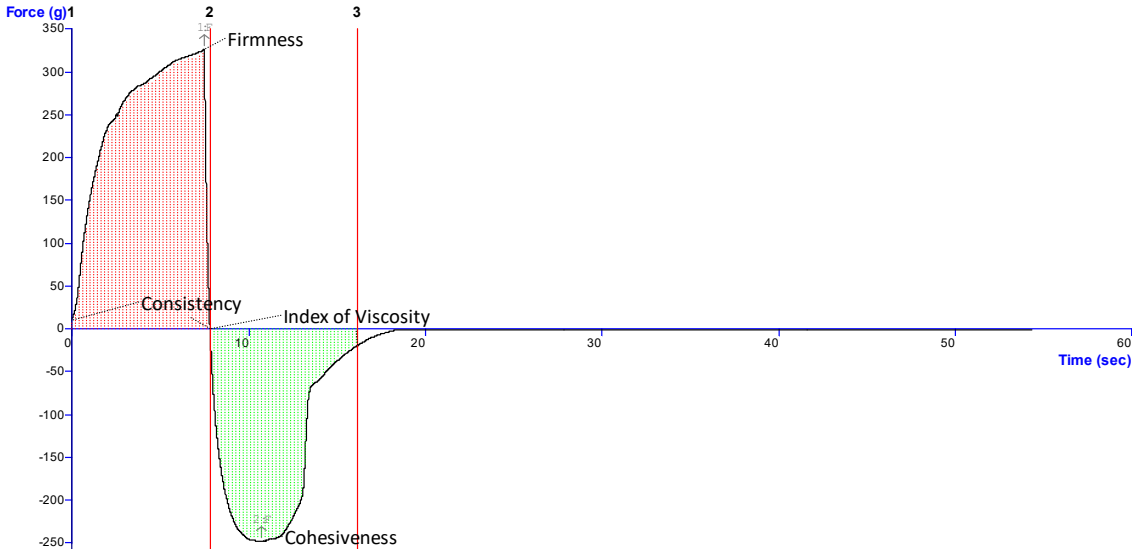

Figure S5. Typical force versus time profile and textural parameters determined by the back compression-extrusion test for Carbopol 940 based experimental hydrogels.

Table S1. The percent of CA released in time (h) from hydrogels, expressed as mean ± standard deviation.

Time (h)	CA (%)	FG I (%)	FP I (%)	FA I (%)	FG II (%)	FP II (%)	FA II (%)
0.5	10.32±0.21	3.05±0.13	2.44±0.09	2.64±0.08	2.50±0.11	2.45±0.09	1.65±0.11
1	24.24±0.11	11.29±0.22	10.38±0.24	10.12±0.29	12.66±0.26	12.06±0.20	11.51±0.09
2	54.88±0.18	24.16±0.41	23.35±0.11	22.58±0.41	21.72±0.38	21.12±0.30	20.42±0.037
3	71.96±1.25	34.38±0.54	32.76±0.33	33.93±0.88	31.78±0.58	31.38±0.51	30.43±0.70
4	91.32±1.30	45.62±1.10	44.35±1.14	44.86±0.97	39.99±0.81	38.84±0.59	38.04±0.82
5	92.68±2.92	55.34±1.57	53.41±1.73	54.22±1.91	52.25±1.89	51.20±0.88	50.10±1.19
6	92.88±3.12	69.07±2.20	68.21±2.01	67.39±2.33	61.61±2.11	61.26±1.52	60.01±2.28
7	93.00±2.87	78.69±2.55	77.36±1.99	77.97±2.21	71.72±1.99	70.67±2.19	69.52±2.33
8	93.12±1.98	89.27±3.01	87.69±2.57	88.40±2.49	77.13±2.37	76.31±2.26	76.03±2.40
12	93.24±3.42	88.91±3.71	88.25±3.41	88.76±2.52	86.29±2.82	86.19±2.33	84.98±2.51