Supplementary Materials

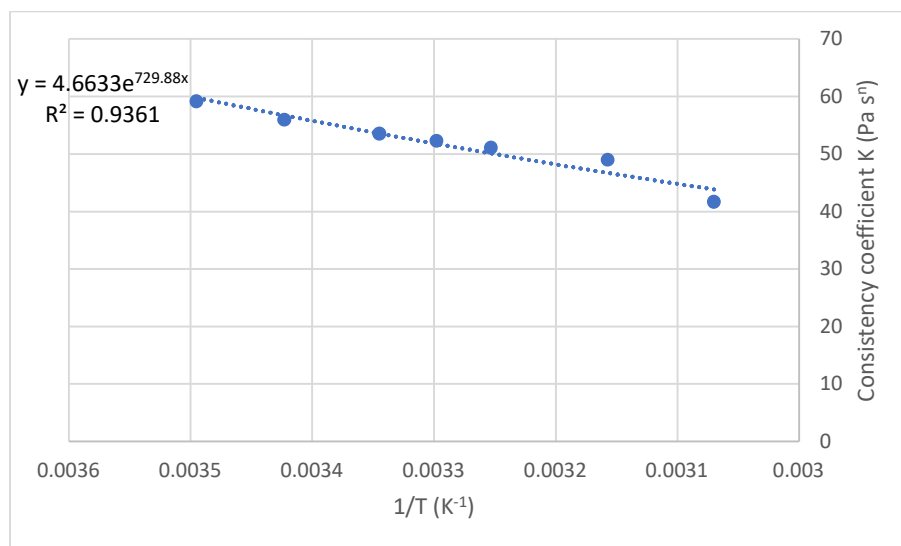$y = 4.6633e^{729.88x}$
$R^2 = 0.9361$

Figure S1. Arrhenius curve of peach puree at 30ºBrix concentration

Table S1. Rheological parameters and R^2 of Power-law model

Soluble solids (º Brix)	Consistency index	Flow behavior index	R^2
5	0.13	0.61	0.952
10	2.59	0.30	0.969
15	5.33	0.31	0.988
20	13.07	0.28	0.997
25	25.90	0.28	0.999
30	60.75	0.28	0.999

Table S2. Rheological parameters and R^2 of Herschel-Bulkley model

Soluble solids (º Brix)	Consistency index	Flow behavior index	Yield stress	R^2
5	0.007	1.31	0.38	0.995
10	0.17	0.82	4.24	0.998
15	0.78	0.62	8.81	0.997
20	9.91	0.31	4.61	0.997
25	14.03	0.37	18.54	0.999
30	30.06	0.38	47.7	0.999

Table S3. Rheological parameters and R^2 of Casson model

Soluble solids (º Brix)	Consistency index	Yield stress	R^2
5	N/A	N/A	N/A
10	N/A	N/A	N/A
15	N/A	N/A	N/A
20	N/A	N/A	N/A
25	38.6	1159.5	0.998
30	189.9	6433.6	0.998

Table S4. Rheological parameters and R^2 of Bingham model

Soluble solids (º Brix)	Consistency index	Yield stress	R^2
5	0.02	0.28	0.987
10	0.07	4.68	0.995
15	0.1	12.21	0.985
20	0.18	28.04	0.957
25	0.38	56.95	0.965
30	0.84	131.0	0.965