

Table S1 - Codex and decodex matrix of independent variables (temperature and time of treatment)

[illegible]

Table S2 – Analysis of variance of the second order polynomial model for colour parameters (L^* , a^* and hue) and PPO enzymatic activity of heat-treated smoothie

Effect	Source	SS	Df	MS	F-ratio (model significance)	P
L*	Regression	16.25	4	3.12	11.74	0.001
	Residual	3.12	9	0.35		
	Lack-of-fit	1.46	4	0.36	1.10	0.45
	Pure Error	1.66	5	0.33		
	Total	19.37	13			
a*	Regression	43.44	4	7.22	4.03	0.016
	Residual	7.22	9	1.79		
	Lack-of-fit	6.91	4	1.73	28.83	0.001
	Pure Error	0.31	5	0.06		
	Total	50.66	13			
Hue	Regression	117.36	5	23.47	18.90	0.0003
	Residual	9.93	8	1.24		
	Lack-of-fit	9.49	3	3.16	35.80	0.0008
	Pure Error	0.44	3	0.09		
	Total	127.29	13			
PPO (U.g⁻¹)	Regression	1860.86	5	372.17	59.13	0.000004
	Residual	50.36	8	6.29		
	Lack-of-fit	47.88	3	15.96	32.34	0.001
	Pure Error	50.35	8	6.29		
	Total	2289.58	13			

SS – Sums of squares; df – degrees of freedom; Ms – Mean square; ^aF ($MS_{\text{regression}}/MS_{\text{residuals}}$); ^bF ($MS_{\text{lack-of-fit}}/MS_{\text{Pure error}}$); F test significant at $P < 0.05$