

# Tables - Supplementary

**Table S1.** Textural Properties of Halloumi cheese fortified with Garlic & Pepper powder (GPP) during storage at  $10 \pm 1$  °C for 35 days.

Texture Property	Storage Period				
	7 <sup>th</sup> Day	14 <sup>th</sup> Day	21 <sup>st</sup> Day	28 <sup>th</sup> Day	35 <sup>th</sup> Day
Hardness	4.20 <sup>d</sup> $\pm$ 0.35	5.13 <sup>bc</sup> $\pm$ 0.21	5.31 <sup>bc</sup> $\pm$ 0.03	5.73 <sup>ab</sup> $\pm$ 0.35	6.11 <sup>a</sup> $\pm$ 0.22
Gumminess	1.99 <sup>d</sup> $\pm$ 0.17	2.76 <sup>bc</sup> $\pm$ 0.38	3.10 <sup>abc</sup> $\pm$ 0.28	3.35 <sup>ab</sup> $\pm$ 0.16	3.57 <sup>a</sup> $\pm$ 0.26
Cohesiveness	0.85 <sup>a</sup> $\pm$ 0.02	0.83 <sup>ab</sup> $\pm$ 0.01	0.81 <sup>abc</sup> $\pm$ 0.28	0.79 <sup>abcd</sup> $\pm$ 0.05	0.74 <sup>cd</sup> $\pm$ 0.02
Chewiness	2.31 <sup>cd</sup> $\pm$ 0.36	2.59 <sup>bcd</sup> $\pm$ 0.23	2.83 <sup>abc</sup> $\pm$ 0.90	3.11 <sup>ab</sup> $\pm$ 0.22	3.34 <sup>a</sup> $\pm$ 0.49

Values are mean  $\pm$  SD (n = 3). Means with different superscript lowercase letters in the same row are significantly different (P<0.05).

**Table S2.** Microbial count of total bacteria, *E. coli*, yeasts & molds, *S. aureus* and LAB during storage time

Storage time (Days)	Microbial count of total bacteria (log CFU/g)	Microbial count of <i>E. coli</i> (log CFU/g)	Microbial count of yeasts & molds (log CFU/g)	Microbial count of <i>S. aureus</i> (log CFU/g)	Microbial count of LAB (log CFU/g)
1	2.51 $\pm$ 0.03 <sup>d</sup>	0.00 $\pm$ 0.00 <sup>d</sup>	0.00 $\pm$ 0.00 <sup>e</sup>	1.92 $\pm$ 0.03 <sup>a</sup>	0.00 $\pm$ 0.00 <sup>d</sup>
10	2.71 $\pm$ 0.09 <sup>c</sup>	1.00 $\pm$ 0.00 <sup>c</sup>	1.10 $\pm$ 0.17 <sup>d</sup>	1.63 $\pm$ 0.13 <sup>b</sup>	2.49 $\pm$ 0.01 <sup>c</sup>
20	2.70 $\pm$ 0.02 <sup>c</sup>	1.20 $\pm$ 0.17 <sup>c</sup>	1.42 $\pm$ 0.10 <sup>c</sup>	1.59 $\pm$ 0.11 <sup>bc</sup>	2.53 $\pm$ 0.01 <sup>c</sup>
30	3.77 $\pm$ 0.05 <sup>b</sup>	1.88 $\pm$ 0.03 <sup>b</sup>	1.92 $\pm$ 0.08 <sup>b</sup>	1.59 $\pm$ 0.11 <sup>bcd</sup>	2.68 $\pm$ 0.02 <sup>a</sup>
40	4.78 $\pm$ 0.02 <sup>a</sup>	2.16 $\pm$ 0.02 <sup>a</sup>	2.30 $\pm$ 0.04 <sup>a</sup>	1.36 $\pm$ 0.10 <sup>bcd</sup>	2.62 $\pm$ 0.02 <sup>b</sup>

Values are mean  $\pm$  SD (n=3). Means with different superscript letters indicated significantly different (P<0.05).