

## Supplementary information

**Table A. 1**

Evaluation of single fraction and two-fraction first order models for determination of thermal inactivation of PG with or without ultrasound treatment at 40 °C (mean  $\pm$  SD).

Parameters	Control		With ultrasound	
	Single-fraction	Two-fraction	Single-fraction	Two-fraction
$A_L$	-	31.05 $\pm$ 3.09	-	16.61 $\pm$ 4.86
$A_S$	-	68.79 $\pm$ 2.82	-	83.19 $\pm$ 4.81
$k_L$	0.0323 $\pm$ 0.0022	0.2661 $\pm$ 0.0506	0.0206 $\pm$ 0.0012	0.2066 $\pm$ 0.0967
$k_S$	-	0.0156 $\pm$ 0.0017	-	0.0125 $\pm$ 0.0022
$R^2$	0.8182	0.9972	0.9190	0.9937