

**Table 2**

Regression coefficients for the second-order polynomial model with responses in terms of MAG, DAG and TAG contents<sup>a</sup>, and oxidative stability ( $I_t$ ).

Coefficients <sup>b</sup>	MAG (%)	<i>P</i> -value	DAG (%)	<i>P</i> -value	TAG (%)	<i>P</i> -value	$I_t$ (h)	<i>P</i> -value
$\beta_0$	1.5 10 <sup>1</sup>	--	1.7 10 <sup>1</sup>	--	7.4 10 <sup>0</sup>	--	-3.9 10 <sup>0</sup>	--
Linear								
$\beta_1$	6.0 10 <sup>-1</sup>	0.262	9.2 10 <sup>-1</sup>	0.007	5.3 10 <sup>-1</sup>	0.043	1.5 10 <sup>-1</sup>	0.021
$\beta_2$	-1.3 10 <sup>1</sup>	0.007	7.4 10 <sup>0</sup>	0.007	8.7 10 <sup>0</sup>	0.011	9.4 10 <sup>-1</sup>	0.007
$\beta_3$	-1.6 10 <sup>0</sup>	0.017	3.3 10 <sup>0</sup>	0.014	-5.6 10 <sup>-1</sup>	0.035	1.6 10 <sup>-1</sup>	0.042
Quadratic								
$\beta_{11}$	-1.2 10 <sup>-2</sup>	0.173	-9.4 10 <sup>-3</sup>	0.021	4.0 10 <sup>-3</sup>	0.733	-1.1 10 <sup>-3</sup>	0.039
$\beta_{22}$	2.4 10 <sup>-1</sup>	0.020	-8.4 10 <sup>-3</sup>	0.131	-2.9 10 <sup>-1</sup>	0.040	-1.7 10 <sup>-2</sup>	0.005
$\beta_{33}$	3.6 10 <sup>-2</sup>	0.050	-1.9 10 <sup>-2</sup>	0.015	-2.1 10 <sup>-2</sup>	0.292	-2.4 10 <sup>-3</sup>	0.018
Interaction								
$\beta_{12}$	8.0 10 <sup>-1</sup>	0.304	-1.1 10 <sup>0</sup>	0.017	4.3 10 <sup>-1</sup>	0.715	3.7 10 <sup>-2</sup>	0.238
$\beta_{13}$	2.6 10 <sup>-1</sup>	0.089	-2.2 10 <sup>-1</sup>	0.013	-1.9 10 <sup>-1</sup>	0.338	-1.9 10 <sup>-2</sup>	0.028
$\beta_{23}$	-1.8 10 <sup>-2</sup>	0.674	-1.7 10 <sup>-1</sup>	0.007	1.3 10 <sup>-1</sup>	0.182	1.4 10 <sup>-3</sup>	0.429

$P < 0.05$  indicates statistical significance

<sup>a</sup> % (w/w) based on the total oil

<sup>b</sup> Regression coefficients to the general model, equation (1), in which  $X_1$ , reaction temperature;  $X_2$ , substrate molar ratio (Gly/TAG) and  $X_3$ , enzyme concentration.