

Online Resource 3

ANOVA for the quadratic equations of Design Expert 9.0.6 for the enrichment of TPC in olive oil.

Source	Sum of Squares	df	Mean Square	F value	P-value Prob>F
Model	22782.92	9	2531.44	5.04	0.0093
X ₁ -Speed	1060.90	1	1060.90	2.11	0.1769
X ₂ -Time	3763.60	1	3763.60	7.49	0.0210
X ₃ -Mass	5336.10	1	5336.10	10.62	0.0086
X ₁ X ₂	72.00	1	72.00	0.14	0.7130
X ₁ X ₃	760.50	1	760.50	1.51	0.2468
X ₂ X ₃	242.00	1	242.00	0.48	0.5035
X ₁ ²	1725.01	1	1725.01	3.43	0.0936
X ₂ ²	1794.57	1	1794.57	3.57	0.0881
X ₃ ²	45.01	1	45.01	0.090	0.7709
Residual	5025.28	10	502.53		
Lack of Fit	2905.28	5	581.06	1.37	0.3690
Pure Error	2120.00	5	424.00		
Cor Total	27808.20	19			