

Supplementary Table S2. Regression coefficients and their significances for the yield of TFApCA from the results of the BBD under autohydrolysis conditions.

Source	Sum of squares	DF	Mean square	F-value	p-value	Significant
Model	1565.48	9	173.94	107.7084	0.0000	**
A-Temperature	118.96	1	118.96	73.6643	0.0004	**
B-Time	75.78	1	75.78	46.9260	0.0010	**
C-Solid-to-liquid ratio	25.24	1	25.24	15.6298	0.0108	*
AB	210.92	1	210.92	130.6081	0.0001	**
AC	0.00	1	0.00	0.0016	0.9694	
BC	0.30	1	0.30	0.1862	0.6841	
A ²	588.60	1	588.60	364.4707	0.0000	**
B ²	247.47	1	247.47	153.2367	0.0001	**
C ²	463.22	1	463.22	286.8350	0.0000	**
Residual	8.07	5	1.61			
Lack of Fit	7.76	3	2.59	16.2446	0.0585	Not significant
Pure Error	0.32	2	0.16			
Cor Total	1573.55	14				
	$R^2=0.9949$	$R^2_{Adj}=0.9856$	CV=4.63%			

Note: “*”, significant at 5% level ($p < 0.05$); “**”, significant at 1% level ($p < 0.01$).