Supplementary Table3 Analysis of variance for primary, secondary and cross-effects of different factors

Source	Sum of Squares	df	Mean Square	F-value	p-value	
Model	56.12	9	6.27	23.52	0.0002	significant
A-Extraction temperature	3.44	1	3.44	12.89	0.0089	
B-Extraction time	2.01	1	2.01	7.52	0.0288	
C-Solvent to solid ratio	18.74	1	18.74	70.27	<0.0001	
AB	0.0248	1	0.0248	0.0930	0.7692	
AC	2.48	1	2.48	9.29	0.0187	
BC	1.50	1	1.50	5.62	0.0496	
A^2	0.4817	1	0.4817	1.81	0.2208	
B^2	9.34	1	9.34	35.03	0.0006	
C^2	17.42	1	17.42	65.33	<0.0001	
Residual	1.87	7	0.2666			
Lack of Fit	0.8540	3	0.2847	1.13	0.4387	not significant
Pure Error	1.01	4	0.2531			
Cor Total	58.31	16				
Std. Dev.	0.5164					
R^2	0.9680					
Adj R^2	0.9268					
Pred R^2	0.7385					
Mean	30.81					
C.V. %	1.68					