

**Supplementary Table2 BBD experimental design using different combinations of factors and their extraction yield**

<b>Run</b>	<b>Factor A</b>	<b>Factor B</b>	<b>Factor C</b>	<b>Y</b>	
	<b>Extraction temperature (°C)</b>	<b>Extraction time (min)</b>	<b>Solvent to solid ratio (mL/g)</b>	<b>Extraction yield (mg UAE/g DW)</b>	<b>Predicted values</b>
1	50	50	60	31.07	31.43
2	50	50	40	27.35	27.14
3	35	50	50	31.15	31.15
4	50	40	50	33.00	32.99
5	65	50	50	32.33	32.33
6	50	40	50	31.60	31.60
7	50	30	40	27.73	27.37
8	50	40	50	32.31	32.31
9	65	40	40	28.81	28.95
10	50	30	60	29.00	29.20
11	35	30	50	30.14	30.08
12	65	30	50	31.01	31.23
13	50	40	50	32.17	32.31
14	50	40	50	32.48	32.31
15	35	40	60	30.85	30.70
16	65	40	60	34.01	33.59
17	35	40	40	28.79	29.22