

Table S1 Box-Behnken design with experimental results

Test number	A ethanol concentration/%	B material-liquid ratio/(mL•g ⁻¹)	C extraction time /min	Y extraction rate /%
1	0	0	0	6.23
2	-1	0	-1	4.25
3	1	1	0	4.85
4	0	1	1	4.02
5	1	-1	0	4.97
6	1	0	1	3.56
7	0	0	0	6.24
8	-1	0	1	3.05
9	-1	-1	0	5.30
10	0	0	0	6.23
11	0	0	0	6.34
12	-1	1	0	5.54
13	0	-1	1	2.95
14	1	0	-1	2.76
15	0	-1	-1	4.35
16	0	1	-1	3.47
17	0	0	0	6.32