

Table S1. Supplementary analyses of flavonoid content and phosphomolybdenum complex.

Formulation	Boreal (mean $\pm$ SD)	Chinesa (mean $\pm$ SD)	Roxa (mean $\pm$ SD)
Flavonoid Content (mg/100g)			
F1	29.36 $\pm$ 0.72	19.42 $\pm$ 0.30	32.65 $\pm$ 1.34
F2	29.55 $\pm$ 0.45	19.49 $\pm$ 1.44	31.99 $\pm$ 0.74
F3	30.69 $\pm$ 1.04	20.00 $\pm$ 2.47	31.70 $\pm$ 0.50
F4	30.15 $\pm$ 0.97	19.71 $\pm$ 0.45	32.41 $\pm$ 1.0
F5	29.68 $\pm$ 1.48	19.53 $\pm$ 0.98	32.13 $\pm$ 0.99
F6	30.02 $\pm$ 2.97	19.64 $\pm$ 1.47	32.55 $\pm$ 0.76
CV (%)	5.7	7.2	4.8
p-value	0.27 (NS)	0.12 (NS)	0.19 (NS)
Phosphomolybdenum (mg AA/g FM)			
F1	880.35 $\pm$ 2.22	540.13 $\pm$ 0.91	995.45 $\pm$ 3.79
F2	881.71 $\pm$ 1.50	539.19 $\pm$ 3.0	996.83 $\pm$ 5.00
F3	884.74 $\pm$ 2.10	540.97 $\pm$ 1.45	964.63 $\pm$ 1.94
F4	885.12 $\pm$ 2.47	540.88 $\pm$ 2.16	990.74 $\pm$ 2.54
F5	878.54 $\pm$ 2.25	538.10 $\pm$ 1.47	986.89 $\pm$ 3.85
F6	882.33 $\pm$ 2.00	540.12 $\pm$ 2.96	992.25 $\pm$ 2.57
CV (%)	6.2	5.9	7.1
p-value	0.15 (NS)	0.08 (NS)	0.12(NS)

Data presented as mean $\pm$ SD. NS = not significant. Flavonoid content was determined by UV-Vis spectrophotometry via complexation with aluminum chloride, and antioxidant activity by the phosphomolybdenum complex reduction assay.