

Table 3 Comparison of saponins, polysaccharides, flavonoids and total phenolic content in different *Momordica charantia* varieties

No.	Saponin content ( $\mu\text{g/g}$ )	Polysaccharide content (mg/g)	Flavonoid content (mg/g)	Total phenolic content (mg/g)
1	3.31 $\pm$ 0.021gh	36.34 $\pm$ 2.33cd	2.52 $\pm$ 0.031d	5.29 $\pm$ 0.025j
2	3.33 $\pm$ 0.032gh	24.96 $\pm$ 3.13e	3.20 $\pm$ 0.021bc	9.33 $\pm$ 0.145b
3	2.18 $\pm$ 0.017i	27.42 $\pm$ 1.63de	2.98 $\pm$ 0.023c	8.00 $\pm$ 0.036de
4	3.86 $\pm$ 0.041g	39.02 $\pm$ 2.51c	3.17 $\pm$ 0.029bc	9.90 $\pm$ 0.132a
5	2.90 $\pm$ 0.023gh	29.04 $\pm$ 1.13d	2.27 $\pm$ 0.042e	7.89 $\pm$ 0.039e
6	3.38 $\pm$ 0.027gh	43.09 $\pm$ 2.43c	2.96 $\pm$ 0.039c	9.58 $\pm$ 0.056b
7	1.97 $\pm$ 0.011i	26.37 $\pm$ 1.43de	3.27 $\pm$ 0.017bc	7.91 $\pm$ 0.008e
8	5.19 $\pm$ 0.031e	32.72 $\pm$ 2.03d	3.03 $\pm$ 0.019c	9.18 $\pm$ 0.075b
9	3.10 $\pm$ 0.046gh	23.49 $\pm$ 2.23e	2.93 $\pm$ 0.045c	7.53 $\pm$ 0.018f
10	9.15 $\pm$ 0.035b	40.77 $\pm$ 3.43c	4.11 $\pm$ 0.041a	8.76 $\pm$ 0.037c
11	9.34 $\pm$ 0.029b	38.29 $\pm$ 3.63c	2.25 $\pm$ 0.012e	6.56 $\pm$ 0.059g
12	3.85 $\pm$ 0.029g	33.84 $\pm$ 1.93cd	1.83 $\pm$ 0.023f	8.08 $\pm$ 0.152de
13	4.34 $\pm$ 0.032fg	28.21 $\pm$ 1.62d	2.37 $\pm$ 0.035de	7.60 $\pm$ 0.092f
14	5.25 $\pm$ 0.051e	31.26 $\pm$ 2.11d	3.66 $\pm$ 0.026b	10.21 $\pm$ 0.105a
15	5.68 $\pm$ 0.043e	36.69 $\pm$ 4.13cd	2.06 $\pm$ 0.013e	8.39 $\pm$ 0.003d
16	3.02 $\pm$ 0.018h	39.42 $\pm$ 3.33c	2.57 $\pm$ 0.019d	7.44 $\pm$ 0.004f
17	3.00 $\pm$ 0.042h	40.47 $\pm$ 4.41c	1.88 $\pm$ 0.009f	5.85 $\pm$ 0.073i
18	6.82 $\pm$ 0.055d	35.56 $\pm$ 3.61cd	2.52 $\pm$ 0.011d	9.11 $\pm$ 0.097b
19	6.04 $\pm$ 0.036de	43.65 $\pm$ 1.89c	2.96 $\pm$ 0.014c	6.92 $\pm$ 0.089g
20	6.33 $\pm$ 0.043d	58.84 $\pm$ 5.23a	1.76 $\pm$ 0.024f	6.58 $\pm$ 0.095g
21	7.62 $\pm$ 0.025c	60.01 $\pm$ 5.16a	2.23 $\pm$ 0.023de	6.18 $\pm$ 0.005h
22	3.92 $\pm$ 0.030g	48.67 $\pm$ 1.33b	2.60 $\pm$ 0.028d	5.50 $\pm$ 0.026i
23	4.97 $\pm$ 0.027ef	42.79 $\pm$ 2.24c	2.48 $\pm$ 0.017d	7.82 $\pm$ 0.061e
24	10.27 $\pm$ 0.037a	46.04 $\pm$ 2.03bc	2.23 $\pm$ 0.013de	6.77 $\pm$ 0.035g
25	6.66 $\pm$ 0.034d	51.95 $\pm$ 3.43ab	2.12 $\pm$ 0.029e	5.67 $\pm$ 0.029i

Note: The value marked by different letters are significantly different ( $P < 0.05$ )