

Table 1. Effects of the extraction temperature and time of SWE on DPPH radical scavenging activity, ABTS radical scavenging activity, and FRAP in propolis. Means in a row followed by same superscript letters are not significantly different according to Duncan's test at $p < 0.05$.

The data represent the mean $\pm$ standard deviation ($n = 3$).

Extraction conditions		Antioxidant activity		
temperature ($^{\circ}\text{C}$)	Time (min)	DPPH (%)	ABTS (%)	FRAP (mg TE/g)
110	10	62.07 ± 1.37^a	94.14 ± 0.79^a	127.19 ± 8.04^{ab}
	20	68.10 ± 1.21^c	96.02 ± 0.43^{bcd}	148.96 ± 13.24^{bc}
	30	65.15 ± 1.56^b	94.31 ± 0.55^{ab}	122.29 ± 12.48^a
130	10	68.99 ± 1.28^{cd}	94.37 ± 0.95^a	170.04 ± 1.64^c
	20	75.06 ± 0.91^f	96.64 ± 0.79^{cde}	244.05 ± 16.35^{de}
	30	74.09 ± 1.65^f	94.82 ± 0.79^a	229.05 ± 5.63^d
150	10	71.56 ± 0.84^e	95.90 ± 0.85^{bcd}	255.41 ± 1.63^e
	20	74.77 ± 0.48^f	97.04 ± 1.00^{de}	395.78 ± 6.15^h
	30	74.60 ± 0.48^f	95.51 ± 1.55^{abc}	311.84 ± 16.18^f
170	10	71.22 ± 1.90^{de}	96.53 ± 0.77^{cde}	357.93 ± 6.02^g
	20	81.56 ± 1.44^h	97.90 ± 0.65^{ef}	564.65 ± 28.92^k
	30	77.59 ± 0.44^g	96.59 ± 0.74^{cde}	508.24 ± 23.63^j
190	10	74.22 ± 1.24^f	97.33 ± 0.77^{de}	457.55 ± 6.64^i
	20	86.24 ± 0.32^i	98.86 ± 0.36^f	715.80 ± 22.39^n
	30	78.48 ± 0.55^g	97.67 ± 0.71^{ef}	689.69 ± 8.85^m
200	10	82.28 ± 1.32^h	97.90 ± 1.03^{ef}	582.17 ± 8.39^k
	20	88.73 ± 0.58^j	98.86 ± 0.69^f	858.89 ± 11.48^o
	30	85.02 ± 1.53^i	97.61 ± 0.17^{ef}	662.81 ± 16.39^l