

Table 3.4 : The results of dry ashing and microwave digestion method for CRM 1547 (peach leaves)

Element	Dry ashing digestion			Microwave digestion		
	Found (%w/w)	Certified value (%w/w)	Recovery (%)	Found (%w/w)	Certified value (% w/w)	Recovery (%)
Ca	$1.97 \times 10^4 \pm 0.1$	$1.56 \times 10^4 \pm 0.02$	126.28	$1.59 \times 10^4 \pm 49.64$	$1.56 \times 10^4 \pm 0.02$	101.92
Mg	0.406 ± 1.307	0.432 ± 0.008	93.98	0.497 ± 0.01	0.432 ± 0.008	115.04
Cu	4.60 ± 0.1	3.70 ± 0.4	124.32	3.09 ± 0.13	3.70 ± 0.4	83.51
Fe	40 ± 21	$2.18 \times 10^2 \pm 14$	18.35	$1.88 \times 10^2 \pm 0.34$	$2.18 \times 10^2 \pm 14$	86.24
Mn	139 ± 0.1	980 ± 3	14.18	887 ± 2	980 ± 3	90.51
Zn	194 ± 5.3	179 ± 0.4	108.38	151 ± 0.1	179 ± 0.4	84.36

*(μg element / g dry weight \pm S.D)