

Supplementary Material

Table S1: Moisture, organic acids and phenolic compounds composition of *Aloe vera* leaf (fillet, mucilage, and rind) and flower.

	Fillet	Mucilage	Rind	Flower	H ¹	<i>p</i> -value ²
Moisture (g/100 g)	98 ± 1 ^a	98 ± 1 ^a	87 ± 1 ^b	84 ± 1 ^b	0.320	<0.001
<i>Organic acids (mg/100 g fresh weight)</i>						
Oxalic acid	2.39 ± 0.04 ^a	0.23 ± 0.01 ^c	0.76 ± 0.03 ^b	2.3 ± 0.1 ^a	0.172	<0.001
Quinic acid	11.63 ± 0.07	10.3 ± 0.2	-	-	0.354	0.001
Malic acid	97 ± 1 ^b	101 ± 2 ^a	58 ± 1 ^c	-	0.852	<0.001
Ascorbic acid	-	-	0.874 ± 0.007	-	-	-
Citric acid	-	-	11.2 ± 0.2	-	-	-
Fumaric acid	-	-	0.051 ± 0.004	0.540 ± 0.005	0.662	<0.001
Total organic acids	111 ± 1 ^a	111 ± 2 ^a	71 ± 2 ^b	2.9 ± 0.1 ^c	0.394	<0.001
<i>Organic acids (mg/100 g dry weight)</i>						
Oxalic acid	142 ± 2 ^a	13.7 ± 0.6 ^c	45 ± 2 ^b	139 ± 6 ^a	0.172	<0.001
Quinic acid	689 ± 4	610 ± 9	-	-	0.354	0.001
Malic acid	5750 ± 66 ^b	5979 ± 100 ^a	3462 ± 82 ^c	-	0.852	<0.001
Ascorbic acid	-	-	51.8 ± 0.4	-	-	-
Citric acid	-	-	659 ± 12	-	-	-
Fumaric acid	-	-	3.1 ± 0.2	32.1 ± 0.3	0.662	<0.001
Total organic acids	6581 ± 73 ^a	6603 ± 92 ^a	4221 ± 92 ^b	171 ± 8 ^c	0.394	<0.001
Extraction yield (%)	36.66	59.98	34.25	44.32	-	-
<i>Phenolic compounds (µg/g fresh weight)</i>						
Phenolic acids	1.97 ± 0.06 ^d	53 ± 3 ^a	13.8 ± 0.6 ^c	20.9 ± 0.5 ^b	0.102	<0.001
Flavonoids	-	-	523 ± 5	309 ± 4	0.736	<0.001
Anthrones	32 ± 2 ^c	1010 ± 12 ^b	2120 ± 75 ^a	-	0.109	<0.001
Chromones	34 ± 3 ^c	563 ± 34 ^b	1856 ± 48 ^a	-	0.238	<0.001
Phenolic compounds	68 ± 1 ^d	1626 ± 43 ^b	4513 ± 127 ^a	330 ± 3 ^c	0.091	<0.001
<i>Phenolic compounds (mg/g dry weight)</i>						
Phenolic acids	0.119 ± 0.004 ^b	2.6 ± 0.1 ^a	0.105 ± 0.005 ^b	0.134 ± 0.003 ^b	0.059	<0.001
Flavonoids	-	-	3.99 ± 0.04	1.98 ± 0.02	0.578	<0.001
Anthrones	2.0 ± 0.1 ^c	48.8 ± 0.6 ^a	16.2 ± 0.6 ^b	-	0.332	<0.001
Chromones	2.0 ± 0.2 ^c	27 ± 2 ^a	14.1 ± 0.4 ^b	-	0.146	<0.001
Phenolic compounds	4.11 ± 0.07 ^c	79 ± 2 ^a	34 ± 1 ^b	2.12 ± 0.02 ^c	0.105	<0.001

¹ Homoscedasticity (H) was tested by the Levene's test; $p > 0.05$ indicates homoscedasticity and $p < 0.05$ indicates heteroscedasticity. ² Statistically significant differences ($p < 0.05$) among two samples were assessed by a Student's T-Test and among more than two samples were assessed by a one-way ANOVA, using Tukey's honestly significant difference (HSD) or Tamhane's T2 multiple comparison tests, when homoscedasticity was verified or not, respectively.