

Tab. 3. The content of total phenolic acids and individual phenolic acids (mg/100 g fw) in organic and conventional produced tomatoes juice in two years of experiment (average value \pm standard deviation)

2008	total phenolic acids	gallic acid	chlorogenic acid	p-coumaric acid
Org.1	47.56 \pm 2.53	45.54 \pm 2.41	1.91 \pm 0.12	0.117 \pm 0.01
Org.2	30.21 \pm 2.43	28.49 \pm 2.34	1.58 \pm 0.09	0.145 \pm 0.01
Org.3	33.63 \pm 4.01	31.74 \pm 3.38	1.69 \pm 0.18	0.208 \pm 0.01
Org.4	66.04 \pm 1.93	64.86 \pm 1.92	1.07 \pm 0.01	0.107 \pm 0.02
Org.5	79.28 \pm 1.35	75.40 \pm 1.34	3.77 \pm 0.02	0.108 \pm 0.02
Org.6	68.27 \pm 1.87	66.11 \pm 1.81	2.03 \pm 0.01	0.138 \pm 0.01
Non-org.1	41.26 \pm 0.81	40.39 \pm 0.80	0.77 \pm 0.01	0.102 \pm 0.01
Non-org.2	70.86 \pm 1.34	69.66 \pm 1.42	1.09 \pm 0.01	0.118 \pm 0.07
Non-org.3	24.60 \pm 0.11	23.39 \pm 0.11	1.10 \pm 0.01	0.110 \pm 0.01
Non-org.4	56.91 \pm 0.35	55.69 \pm 0.36	1.06 \pm 0.01	0.159 \pm 0.01
Non-org.5	40.97 \pm 0.16	38.06 \pm 0.14	2.72 \pm 0.02	0.190 \pm 0.02
Non-org.6	42.02 \pm 0.22	40.64 \pm 0.20	1.26 \pm 0.02	0.118 \pm 0.01
2009				
Org.1	49.30 \pm 3.01	46.07 \pm 2.96	3.10 \pm 0.10	0.130 \pm 0.01
Org.2	38.21 \pm 0.80	34.52 \pm 0.80	3.55 \pm 0.17	0.136 \pm 0.01
Org.3	40.94 \pm 3.68	37.21 \pm 3.59	3.59 \pm 0.27	0.142 \pm 0.02
Org.4	68.41 \pm 1.37	66.24 \pm 1.36	2.04 \pm 0.04	0.141 \pm 0.01
Org.5	53.87 \pm 0.52	50.72 \pm 0.49	3.04 \pm 0.03	0.105 \pm 0.01
Org.6	45.14 \pm 1.06	42.51 \pm 1.01	2.51 \pm 0.05	0.124 \pm 0.01
Non-org.1	62.51 \pm 1.14	59.77 \pm 1.13	2.63 \pm 0.02	0.117 \pm 0.01
Non-org.2	53.70 \pm 0.33	51.69 \pm 0.29	1.88 \pm 0.01	0.129 \pm 0.04
Non-org.3	29.63 \pm 0.89	26.71 \pm 0.87	2.82 \pm 0.09	0.103 \pm 0.01
Non-org.4	58.34 \pm 0.15	55.51 \pm 0.22	2.70 \pm 0.12	0.130 \pm 0.02
Non-org.5	31.40 \pm 5.06	28.60 \pm 5.07	2.68 \pm 0.01	0.127 \pm 0.01
Non-org.6	31.94 \pm 9.44	29.31 \pm 9.45	2.51 \pm 0.08	0.119 \pm 0.01
mean Org. juices	51.74 \pm 15.11 a	49.12 \pm 15.08 a	2.49 \pm 0.87 b	0.134 \pm 0.03 a
mean Non-org. juices	45.35 \pm 14.54 a	43.29 \pm 14.68 a	1.93 \pm 0.78 a	0.127 \pm 0.04 a
mean tomatoes juices (2008)	50.14 \pm 17.09 A	48.33 \pm 16.82 A	1.67 \pm 0.82 A	0.135 \pm 0.04 A
mean tomatoes juices(2009)	46.95 \pm 12.77 A	44.07 \pm 12.96 A	2.75 \pm 0.51 B	0.125 \pm 0.02 A
p-value				
production system	n.s.**	n.s.	0.0005	n.s.
year	n.s.	n.s.	<0.0001	n.s.
production x year	n.s.	n.s.	n.s.	n.s.

* means in a columns followed by the different letter are significantly different at the 5% level of probability ($\alpha=0.05$) by Tukey's test; ** not significant statistically ($\alpha>0.05$)
small letter focused differences between juice production system, CAPITAL letter focused differences between experimental years