

## Supplementary materials

**Table S1.** Moisture (%) and water activity of dried tomatoes samples storage in light and dark.

Months	DTL		DTD		^Sign.	#Sign.
	^Moisture (%)	#a <sub>w</sub>	^Moisture (%)	#a <sub>w</sub>		
0	31.66 ± 2.01 <sup>oA</sup>	0.63 ± 0.06 <sup>dB</sup>	31.66 ± 2.01 <sup>oA</sup>	0.63 ± 0.06 <sup>bB</sup>	ns	ns
1	31.86 ± 2.07 <sup>nA</sup>	0.65 ± 0.06 <sup>cdB</sup>	31.87 ± 2.07 <sup>nA</sup>	0.66 ± 0.06 <sup>abB</sup>	ns	ns
2	32.18 ± 2.00 <sup>mA</sup>	0.67 ± 0.07 <sup>bcC</sup>	32.01 ± 2.00 <sup>mB</sup>	0.67 ± 0.06 <sup>abC</sup>	*	ns
3	32.82 ± 2.08 <sup>lA</sup>	0.67 ± 0.07 <sup>bcC</sup>	32.66 ± 2.31 <sup>lB</sup>	0.67 ± 0.06 <sup>abC</sup>	*	ns
4	34.30 ± 2.34 <sup>iA</sup>	0.68 ± 0.06 <sup>bcC</sup>	32.96 ± 2.53 <sup>iB</sup>	0.68 ± 0.06 <sup>abC</sup>	**	ns
5	35.59 ± 2.41 <sup>hA</sup>	0.68 ± 0.06 <sup>bcC</sup>	33.18 ± 2.46 <sup>hB</sup>	0.68 ± 0.06 <sup>abC</sup>	**	ns
6	35.93 ± 2.49 <sup>gA</sup>	0.68 ± 0.07 <sup>bcC</sup>	33.91 ± 2.61 <sup>gB</sup>	0.68 ± 0.06 <sup>abC</sup>	**	ns
7	36.66 ± 2.52 <sup>fA</sup>	0.68 ± 0.06 <sup>bcC</sup>	34.10 ± 2.63 <sup>fB</sup>	0.68 ± 0.06 <sup>abC</sup>	**	ns
8	37.82 ± 2.60 <sup>eA</sup>	0.68 ± 0.06 <sup>bcC</sup>	34.15 ± 2.66 <sup>eB</sup>	0.68 ± 0.06 <sup>abC</sup>	**	ns
9	37.86 ± 2.59 <sup>dA</sup>	0.69 ± 0.07 <sup>abcC</sup>	35.73 ± 2.61 <sup>dB</sup>	0.68 ± 0.06 <sup>abC</sup>	**	ns
10	37.97 ± 2.61 <sup>cA</sup>	0.70 ± 0.08 <sup>abC</sup>	36.76 ± 2.63 <sup>cB</sup>	0.69 ± 0.07 <sup>abC</sup>	**	ns
11	40.00 ± 2.68 <sup>bA</sup>	0.70 ± 0.08 <sup>abC</sup>	36.80 ± 2.68 <sup>bB</sup>	0.69 ± 0.07 <sup>abC</sup>	**	ns
12	40.04 ± 2.69 <sup>aA</sup>	0.71 ± 0.08 <sup>aC</sup>	37.63 ± 2.66 <sup>aB</sup>	0.69 ± 0.07 <sup>aD</sup>	**	*
Sign.	**	**	**	*		

Data are reported as mean ± standard deviation (n = 3). Differences were evaluated by one-way analysis of variance (ANOVA) test completed with a multicomparison Tukey's test. Means in the same row with different capital letters differ significantly ( $p < 0.05$ ), means in the same column with different small letters differ significantly ( $p < 0.05$ ). ns: not significance; \* Significance at  $p < 0.05$ , \*\* Significance at  $p < 0.01$ .

**Table S2.** Chlorophylls and TCC in EVOO, EVOO\_DTL and EVOO\_DTD samples (mg/Kg).

Months	EVOO		EVOO_DTL		EVOO_DTD		^Sign.	#Sign.
	^Chlorophylls	#TCC	^Chlorophylls	#TCC	^Chlorophylls	#TCC		
0	66.17±4.23 <sup>aA</sup>	22.45±3.33 <sup>aB</sup>	66.17±5.36 <sup>aA</sup>	22.45±2.33 <sup>aB</sup>	66.17±6.03 <sup>aA</sup>	22.45±2.23 <sup>iB</sup>	ns	ns
1	63.51±4.56 <sup>bB</sup>	21.25±3.12 <sup>bF</sup>	56.89±4.89 <sup>bC</sup>	22.75±2.88 <sup>bE</sup>	63.74±5.33 <sup>bA</sup>	25.78±2.21 <sup>aD</sup>	**	**
2	47.27±3.02 <sup>cC</sup>	20.86±3.63 <sup>cE</sup>	51.43±4.02 <sup>cA</sup>	20.21±3.03 <sup>hF</sup>	48.23±5.23 <sup>cB</sup>	24.37±2.26 <sup>dD</sup>	**	**
3	46.68±3.56 <sup>dA</sup>	18.95±2.89 <sup>dF</sup>	42.45±4.23 <sup>dC</sup>	19.97±3.05 <sup>mE</sup>	46.59±4.26 <sup>dB</sup>	23.77±2.25 <sup>gD</sup>	**	**
4	42.77±3.88 <sup>eB</sup>	17.73±2.85 <sup>eF</sup>	40.8±4.02 <sup>eC</sup>	18.16±3.11 <sup>nE</sup>	44.12±4.56 <sup>eA</sup>	23.08±2.24 <sup>hD</sup>	**	**
5	38.49±4.02 <sup>fB</sup>	17.45±4.02 <sup>fF</sup>	37.6±3.56 <sup>fC</sup>	18.03±3.21 <sup>mE</sup>	41.12±4.02 <sup>fA</sup>	22.17±2.29 <sup>lD</sup>	**	**
6	36.8±2.89 <sup>gB</sup>	16.79±3.03 <sup>gF</sup>	35.4±4.03 <sup>gC</sup>	18.14±3.56 <sup>lE</sup>	37.98±4.03 <sup>gA</sup>	22.04±2.28 <sup>mD</sup>	**	**
7	35.79±6.33 <sup>hA</sup>	16.39±2.02 <sup>hF</sup>	32.1±3.56 <sup>hC</sup>	19.42±2.55 <sup>iE</sup>	35.61±3.96 <sup>hB</sup>	23.12±2.27 <sup>hD</sup>	**	**
8	35.7±2.11 <sup>iA</sup>	15.87±2.23 <sup>iF</sup>	30.5±3.95 <sup>iC</sup>	19.76±2.34 <sup>gE</sup>	35.18±3.85 <sup>iB</sup>	23.87±1.99 <sup>gD</sup>	**	**
9	32.01±2.56 <sup>lB</sup>	13.47±2.56 <sup>lF</sup>	29.57±3.02 <sup>lC</sup>	20.11±2.22 <sup>eE</sup>	32.87±3.74 <sup>lA</sup>	23.95±3.03 <sup>fD</sup>	**	**
10	31.44±3.02 <sup>mB</sup>	12.73±2.87 <sup>mF</sup>	27.34±3.11 <sup>mC</sup>	20.57±3.02 <sup>dE</sup>	32.44±3.46 <sup>mA</sup>	24.2±3.05 <sup>eD</sup>	**	**
11	28.71±3.12 <sup>nB</sup>	11.96±3.02 <sup>nF</sup>	24.98±2.85 <sup>nC</sup>	21.2±3.04 <sup>cE</sup>	30.12±3.25 <sup>nA</sup>	24.56±2.23 <sup>cD</sup>	**	**
12	28.65±2.89 <sup>oB</sup>	11.78±3.06 <sup>oF</sup>	23.1±2.66 <sup>oC</sup>	21.35±3.22 <sup>cE</sup>	29.21±3.37 <sup>oA</sup>	24.9±2.28 <sup>bD</sup>	**	**
<b>Sign.</b>	<b>**</b>	<b>**</b>	<b>**</b>	<b>**</b>	<b>**</b>	<b>**</b>		

Data are reported as mean ± standard deviation (n = 3). Differences were evaluated by one-way analysis of variance (ANOVA) test completed with a multicomparison Tukey's test. Means in the same row with different capital letters differ significantly ( $p < 0.05$ ), means in the same column with different small letters differ significantly ( $p < 0.05$ ). ns: not significance; \*\* Significance at  $p < 0.01$ .

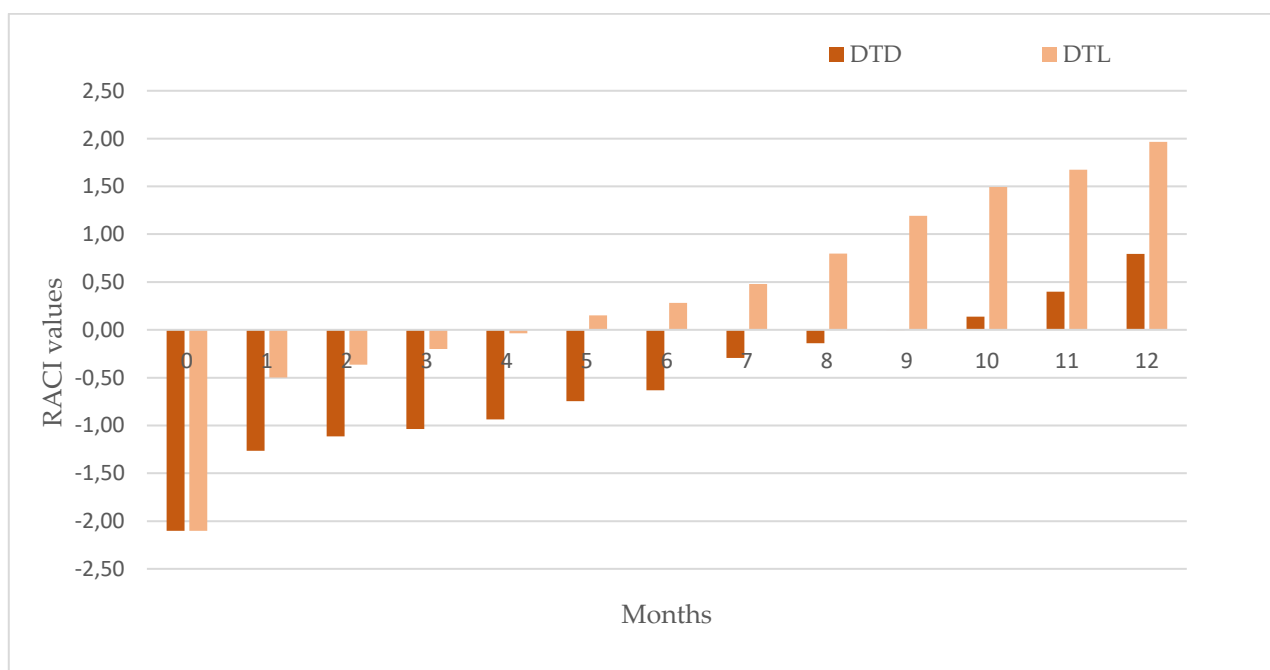
**Table S3.**  $\Delta E^*ab$  values during 12 months storage of EVOO, EVOO\_DTL and EVOO\_DTD samples.

Months	EVOO	EVOO_DTD	EVOO_DTL	Sign.
0	0.00±0.00oA	0.00±0.00nA	0.00±0.00oA	ns
1	0,77±0.03nB	0,1±0.02nC	0,98±0.02mA	**
2	2,03±0.15mB	1,39±0.12lC	2,26±0.88iA	**
3	5,39±0.86lB	4,93±0.36dC	5,65±0.75cA	**
4	5,76±0.77iB	5,34±0.45cC	6,15±0.88aA	**
5	6,53±1.02hA	4,64±0.63eC	5,99±0.73bB	**
6	6,61±0.82gA	2,69±0.57hC	5,46±0.79dB	**
7	6,68±0.45fA	1,57±0.12iC	3,16±0.55eB	**
8	6,72±0.77eA	1,08±0.09mC	2,78±0.24gB	**
9	6,82±0.56dA	2,91±0.42gB	0,92±0.04nC	**
10	6,93±0.95cA	4,18±0.23fB	1,52±0.06lC	**
11	7,01±0.93bB	10,23±0.86bA	2,6±0.12hC	**
12	7,15±0.83aB	15,03±0.97aA	3,03±0.09fC	**
<b>Sign.</b>	**	**	**	

Data are reported as mean  $\pm$  standard deviation (n = 3). Differences were evaluated by one-way analysis of variance (ANOVA) test completed with a multicomparison Tukey's test. Means in the same row with different capital letters differ significantly ( $p < 0.05$ ), means in the same column with different small letters differ significantly ( $p < 0.05$ ). ns: not significance; \*\* Significance at  $p < 0.01$ .



(a)



(b)

**Figure S1.** RACI values of EVOOs (a) and dried tomatoes (b) samples.