



Fig. S1. Visual appearance of fresh juice and concentrate samples at each cycle during storage.

Table S1. Pearson's correlation coefficients (r) between biological active compounds content of fresh calafate juice.

| | TPC | TAC | TFC | DPPH | ABTS | FRAP | ORAC |
|------|-------|-------|-------|-------|-------|-------|------|
| TPC | 1.00 | | | | | | |
| TAC | 1.00* | 1.00 | | | | | |
| TFC | 0.99* | 1.00* | 1.00 | | | | |
| DPPH | 0.99* | 1.00* | 1.00* | 1.00 | | | |
| ABTS | 0.97* | 0.98* | 0.98* | 0.99* | 1.00 | | |
| FRAP | 0.97* | 0.98* | 0.98* | 0.99* | 1.00* | 1.00 | |
| ORAC | 0.96* | 0.97* | 0.97* | 0.98* | 1.00* | 1.00* | 1.00 |

*Significant at 5%.

Table S2. Pearson's correlation coefficients (r) between biological active compounds content (TBC and TAA) obtained by CBCC process (first cycle).

| | TPC | TAC | TFC | DPPH | ABTS | FRAP | ORAC |
|------|-------|-------|-------|-------|-------|-------|------|
| TPC | 1.00 | | | | | | |
| TAC | 0.99* | 1.00 | | | | | |
| TFC | 0.98* | 1.00* | 1.00 | | | | |
| DPPH | 0.98* | 1.00* | 0.99* | 1.00 | | | |
| ABTS | 0.98* | 1.00* | 0.99* | 1.00* | 1.00 | | |
| FRAP | 0.97* | 0.98* | 0.98* | 0.98* | 0.99* | 1.00 | |
| ORAC | 0.97* | 0.98* | 0.97* | 0.98* | 0.99* | 1.00* | 1.00 |

*Significant at 5%.

Table S3. Pearson's correlation coefficients (r) between biological active compounds content (TBC and TAA) obtained by CBCC process (second cycle).

| | TPC | TAC | TFC | DPPH | ABTS | FRAP | ORAC |
|------|-------|-------|-------|-------|-------|-------|------|
| TPC | 1.00 | | | | | | |
| TAC | 0.96* | 1.00 | | | | | |
| TFC | 0.91* | 0.99* | 1.00 | | | | |
| DPPH | 0.96* | 1.00* | 0.99* | 1.00 | | | |
| ABTS | 0.94* | 1.00* | 0.99* | 1.00* | 1.00 | | |
| FRAP | 0.94* | 0.99* | 0.98* | 0.99* | 0.99* | 1.00 | |
| ORAC | 0.94* | 0.98* | 0.97* | 0.99* | 0.99* | 1.00* | 1.00 |

*Significant at 5%.