*Article*

# Supplementary Material: Decontamination of Food Packages from SARS-CoV-2 RNA with a Cold Plasma-Assisted System

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**Table 1.** Firmness (N) value of apples packaged in PET and PP after 5 (P5) and 10 (P10) min of CP compared to the control (C) sample during 9 days of storage at 8°C.

| Sample | Storage time (d) | | | |
|---|---|---|---|---|
| | **0** | **3** | **6** | **9** |
| | **PET** | | | |
| C | 17.98 ± 3.90 [a] | 18.55 ± 3.70 [a] | 14.49 ± 4.89 [a] | 13.55 ± 4.94 [a] |
| P5 | 15.79 ± 3.49 [a] | 16.49 ± 4.53 [a] | 17.80 ± 4.58 [a] | 16.39 ± 5.05 [a] |
| P10 | 17.89 ± 3.56 [a] | 18.10 ± 4.22 [a] | 15.82 ± 4.16 [a] | 14.97 ± 5.22 [a] |
| | **PP** | | | |
| C | 13.95 ± 2.88 [a] | 14.82 ± 2.79 [b] | 13.96 ± 2.41 [a] | 11.87 ± 1.81 [a] |
| P5 | 12.14 ± 2.45 [a] | 15.95 ± 2.04 [a] | 12.42 ± 3.69 [a] | 12.56 ± 1.95 [a] |
| P10 | 12.80 ± 2.38 [a] | 14.56 ± 3.11 [a] | 14.12 ± 3.65 [a] | ± 2.09 [a] |

**Table 2.** Color parameters (L* and a*) of apples packaged in PET and PP after 5 (P5) and 10 (P10) min of CP compared to the control (C) sample during 9 days of storage at 8°C.

| Sample | Storage time (d) | | | |
|---|---|---|---|---|
| | **0** | **3** | **6** | **9** |
| | **PET – L*** | | | |
| C | 76.85 ± 2.22 [a] | 77.49 ± 1.77 [a] | 76.43 ± 2.20 [a] | 76.86 ± 1.96 [a] |
| P5 | 75.56 ± 2.91 [a] | 76.29 ± 2.07 [a] | 75.56 ± 3.02 [a] | 76.37 ± 2.82 [a] |
| P10 | 76.30 ± 1.73 [a] | 76.73 ± 3.81 [a] | 75.60 ± 3.60 [a] | 75.52 ± 1.07 [a] |
| | **PET – a*** | | | |
| C | -0.18 ± 0.85 [a] | -0.50 ± 1.05 [a] | 0.03 ± 1.09 [a] | 0.11 ± 1.10 [a] |
| P5 | -0.62 ± 0.58 [a] | -0.49 ± 0.55 [a] | -0.85 ± 0.55 [a] | -0.43 ± 0.60 [a] |
| P10 | -0.38 ± 1.11 [a] | -0.83 ± 0.63 [a] | -0.08 ± 1.07 [a] | -0.32 ± 1.11 [a] |
| | **PP – L*** | | | |
| C | 76.06 ± 1.39 [a] | 76.60 ± 1.15 [a] | 77.12 ± 1.36 [a] | 76.03 ± 2.29 [a] |
| P5 | 76.70 ± 2.08 [a] | 76.86 ± 1.72 [a] | 77.05 ± 1.45 [a] | 75.63 ± 1.49 [a] |
| P10 | 76.98 ± 1.42 [a] | 76.69 ± 1.30 [a] | 76.85 ± 1.22 [a] | 76.77 ± 1.69 [a] |
| | **PP – a*** | | | |
| C | -0.30 ± 0.99 [a] | -0.02 ± 0.69 [a] | -0.65 ± 1.14 [a] | -0.31 ± 2.29 [a] |
| P5 | -0.21 ± 0.85 [a] | -0.56 ± 0.97 [a] | -0.56 ± 0.74 [a] | 0.17 ± 0.67 [a] |
| P10 | -0.10 ± 1.43 [a] | -0.62 ± 1.02 [a] | 0.09 ± 0.78 [a] | 0.36 ± 1.08 [a] |