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Valorization of cold stored Tunisian pomegranate as ready-to-eat arils

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INTRODUCTION

Pomegranates are only available as whole fruit during the production season. Cold storage could extend the availability of pomegranates out of season. Ready-to-eat arils offer another form of pomegranate fruit to the market, providing innovative methods to extend the shelflife of the fruit and reduce post-harvest fruit waste. Fruit quality is generally affected by several postharvest treatments and conditions. Arils are usually extracted from freshly harvested pomegranates or after a short storage period. Nevertheless, pomegranate fruit may be stored for several weeks before being marketed as ready-to-eat arils (REA). In this study, the effect of different postharvest storage periods (30, 45, and 60 days) and temperatures (2 and 6°C) on quality of arils extracted immediately after each storage period and then after 10 days shelf-life were investigated.

MATERIAL AND METHODS



□Sensory analysis (L*a*b*) anthocyanins



Changes of Volatile organic compounds, sensory traits and total anthocyanins of arils as affected by temperature and storage of fruit

CONCLUSION

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Ben Amara M, Abdelli S, De Chiara MLV, et al. Changes in quality attributes and volatile profile of ready-to-eat "Gabsi" pomegranate arils as affected by storage duration and temperatures. J Food Process Preserv. 2020;00:e14415. https://doi.org/10.1111/jfpp.14415