



16-17 November 2023

FETEASCĂ REGALĂ WHITE WINE - IMPLEMENTATION OF THE HACCP PLAN

Ana-Maria Daiana Untan¹, Denisa Iordache¹, Despina-Maria Bordean¹, Adrian Riviș¹, Liana-Maria Alda¹, Nicoleta Gabriela Hădărugă¹, Corina Iuliana Megyesi¹, Alexandru Rinovetz¹, Ariana Bianca Velciov¹, Laura Rădulescu^{1*}

¹University of Life Sciences "King Michael I" from Timisoara, Faculty of Food Engineering, Calea Aradului No. 119, RO-300645 Timisoara, Romania

Corresponding author*: laura.radulescu@usab-tm.ro

Abstract

White wine contains numerous vitamins and minerals, including B1, B2, B5 and B6, folic acid, B12, vitamin C, potassium, calcium and magnesium. Thus, a glass of white wine consumed daily supports the immune system, protects us from viruses, favors the secretion of gastric juice and can be an effective sleep aid, thanks to its calming effect.

• Introduction

Winemaking is the process of processing grapes with the aim of obtaining wines as well as wine-based products.

The literature study synthesized data and information regarding different types of wines, as well as their usefulness on the human body, due to its beneficial properties.

• Material and method

To implement the HACCP plan and determining the critical control points the flow chart was made.

The risk analysis was carried out for each technological phase determining the types of risk and the class of risk, the types of risk and the way of control were also described.

• Results and discussions

When applying the HACCP plan two critical control points were found, they can be found at the screening and baking technological operation.

• Conclusions

Control of the technological process can be achieved through HACCP analysis with the indication of critical points on the technological flow. The use of these methods has proven to be extremely useful, considering that manufacturers cannot perform 100% product verification, thus avoiding the occurrence of deviations. The HACCP method is based on 7 basic principles regarding food safety for consumers:

Acknowledgement: wine, dry white wine, Feteasca Regală wine