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Trace elements in wild and orchard honeys

- M. Almeida-Silva,
 - N. Canha,
 - C. Galinha,
 - H.M. Dung,
 - M.C. Freitas  ,
 - T. Siteo
-
- Instituto Tecnológico e Nuclear, URSN, E.N. 10, 2686-953 Sacavém, Portugal
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Abstract

The present study aims the identification and quantification of trace elements in two types of honey samples: Orchard honey and Wild honey from mainland Portugal. Chemical elements content was assessed by Instrumental Neutron Activation Analysis (INAA). Concentrations were determined for Ag, As, Br, Ca, Cl, Cs, Cu, Fe, K, La, Mg, Mn, Na, Rb, Sb, Sc, U, V and Zn. The nutritional values of both honey types were evaluated since this product contains some

elements that are essential dietary nutrients for humans. Physical properties of the honey samples, such as electrical conductivity and pH, were assessed as well.

Keywords

- Honey;
- Chemical elements;
- INAA;
- Nutrients;
- Physical properties

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