

ANALYSIS OF BIOCHEMICAL COMPOSITION OF HONEY SAMPLES FROM BOSNIA AND HERZEGOVINA

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ABSTRACT

In this work has been carried out analysis of the quality of honey from 18 different locations and different floral backgrounds in Bosnia and Hezegovina. It has been made analysis of only those known samples to beekeeper that produces and it has not done analysis of commercial kinds of honey. The analysis has been done according to the regulations on quality control of honey F. B&H which is in accordance with international standards. It has been analyzed the following parameters of honey: electrical conductivity of honey that was moving in the range from 0.13 to 1.4 mS / cm, by reducing sugars in the range from 64.8% to 85.00%, sucrose from 1.23% to 6%, insoluble matter from 0.12% to 0.5%, a water content from 15.4% to 10.4% and the acidity from 15-34 mmol acid / kg honey. The results have showed that in all samples of controlled parameters within the limits has been prescribed by the domestic and international standards of quality honey so that we can conclude that the beekeepers in B&H produce high quality honey.

KEYWORDS: Honey, Sugars, International Standards