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Czech J. Food Sci.

**Kowalski S.,
Lukasiewicz M.,**

Diastase number changes during thermal and microwave processing of honey

Czech J. Food Sci., 30 (2012): 21-26

The presented paper covers the preliminary studies on microwave inactivation of honey enzymes described as diastase number (DN). All the investigations were done on commercially available honey from Polish local market. Microwave processes were compared to the conventional ones. In the case of conventional conditions, the constant rate of diastase enzyme inactivation was estimated using the first order kinetics. In the case of microwave heated samples, it was impossible to establish the rate constant; however, the investigation proved the suitability of such kind of processing for short-term thermal treatment of honey.

Keywords:

honey; microwave; enzymes; heating

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