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Czech J. Food Sci.

M. Kurzawa, A.

Jastrzębska, E. Szłyk:

Application of Fluorimetric Methods for Selected Additives Determination in Food Products

Czech J. Food Sci., 27 (2009): S337-
S339

Simple and sensitive spectrofluorimetric method for phosphorus determination in food samples after microwave mineralisation has been described. The proposed method is based on the formation of a fluorescent chelate between morin and aluminium and the fluorescence quenching after addition of phosphates solution. Additionally, the method with quinine sulphate was modified and applied for food samples. The proposed procedures were compared with respect of linearity, precision and accuracy.

Keywords:

spectrofluorimetry; quenching the fluorescence; food samples; phosphate

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