



# Agricultural Journals

*Czech Journal of*

**FOOD SCIENCE**

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# **Czech J. Food Sci.**

**Vaňha J., Hinková A.,  
Sluková M., Kvasnička**

F.:

# Detection of plant raw materials in meat products by HPLC

Czech J. Food Sci., 27 (2009): 234-239

The Czech legislation (Decreets No. 326/2001, 202/2003 and 651/2004 of the law No. 110/1997 as amended) regulates the requirements for the selected meat products with regard to the contents of individual ingredients. However, the methods of the determination of compliance with these regulations are not closely specified. The study presented here deals with the development and verification of analytical methods suitable for the detection of the material of plant origin. Due to the high variability in the contents in meat products of these ingredients, various markers were observed (isoflavones, phytic acid, galactooligosaccharides). For the purpose of detection, substances commonly used in food processing industries were taken into account such as soy flour, wheat flour, soy isolate, HAM 60 preparation. The values gained by measuring the

given markers were subsequently