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Czech J. Food Sci.

**Karasová G.,
Branšteterová E.,**

Matrix solid phase dispersion as an effective preparation method for food samples and plants before HPLC analysis – a review

Czech J. Food Sci., 21 (2003): 219-234

This review deals with a preparation technique – Matrix Solid Phase Dispersion (MSPD) and its possibilities in the HPLC analysis for contaminants, pesticides, drug residues, and natural compounds in food samples. The main principle of MSPD is explained, the important factors influencing the effectivity and recovery of this technique are discussed. The advantages and disadvantages of MSPD and other classical extraction, isolation, and purification procedures are compared. The present article provides a bibliography of MSPD applications in food sample matrices during last years for various analytes and different sample matrices.

Keywords:

matrix solid phase dispersion; high performance liquid chromatography; food samples; contaminants; pesticides; drug residues; natural compounds

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