



Agricultural Journals

Czech Journal of

FOOD SCIENCE

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Czech J. Food Sci.

**Buřičová L., Réblová
Z.:**

Czech medicinal plants as possible sources of antioxidants

Czech J. Food Sci., 26 (2008): 132-138

The antioxidant activity of 17 Czech medicinal plants was studied and compared with the antioxidant activity of green tea. The antioxidant activities of water and ethanol extracts of the plants tested were determined by a spectrophotometric method using the stable free radical DPPH (2,2-diphenyl-1-picrylhydrazyl), and further the contents of the compounds with reducing properties in water extracts were determined by flow injection analysis with amperometric detection (using a detection potential +0.7 V). Considerable antioxidant activities were found in the extracts of plants from the *Rosaceae* family (rosehips and leaves of raspberry,