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Czech J. Food Sci.

**Pejchalová M.,
Hanzalová P., Metelka**

K., Vyčrašova J.:

Could the miraculous springs in the Pardubice region be used as drinking water sources?

Czech J. Food Sci., 29 (2011): S109-S114

Selected springs in the Pardubice Region were repeatedly examined for analytical and microbiological indicators. Microbiological analyses included the determination of intestinal enterococci, coliform bacteria, *E. coli*, and the number of colonies cultivated at temperature from 22° C to 36° C. The analyses were carried out according to the relevant CSN ISO norms using the membrane filtration technique and also the alternative cultivation method Colilert®/Quanti-Tray 2000® quantification method using the defined substrate technology. Out of 11 wells and springs examined, only two satisfied the requirements for potable water with all indicators observed.

Keywords:

coliform bacteria; *E. coli*; membrane filtration; Colilert®; potable water

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