



CENTRAL INSTITUTE FOR SUPERVISING AND TESTING IN AGRICULTURE





PROFICIENCY TESTING PROGRAMMES UKZUZ





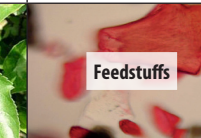
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Since 1996 UKZUZ has been organizing proficiency testing programmes for analytical laboratories (MPZ UKZUZ). The content and organization of PT are based on the requirements for the accredited proficiency test's providers given in EN ISO/IEC 17043 Conformity assessment – General requirements for proficiency testing and on the requirements of participants. Besides the external quality assessment MPZ UKZUZ are also used for validation purposes.



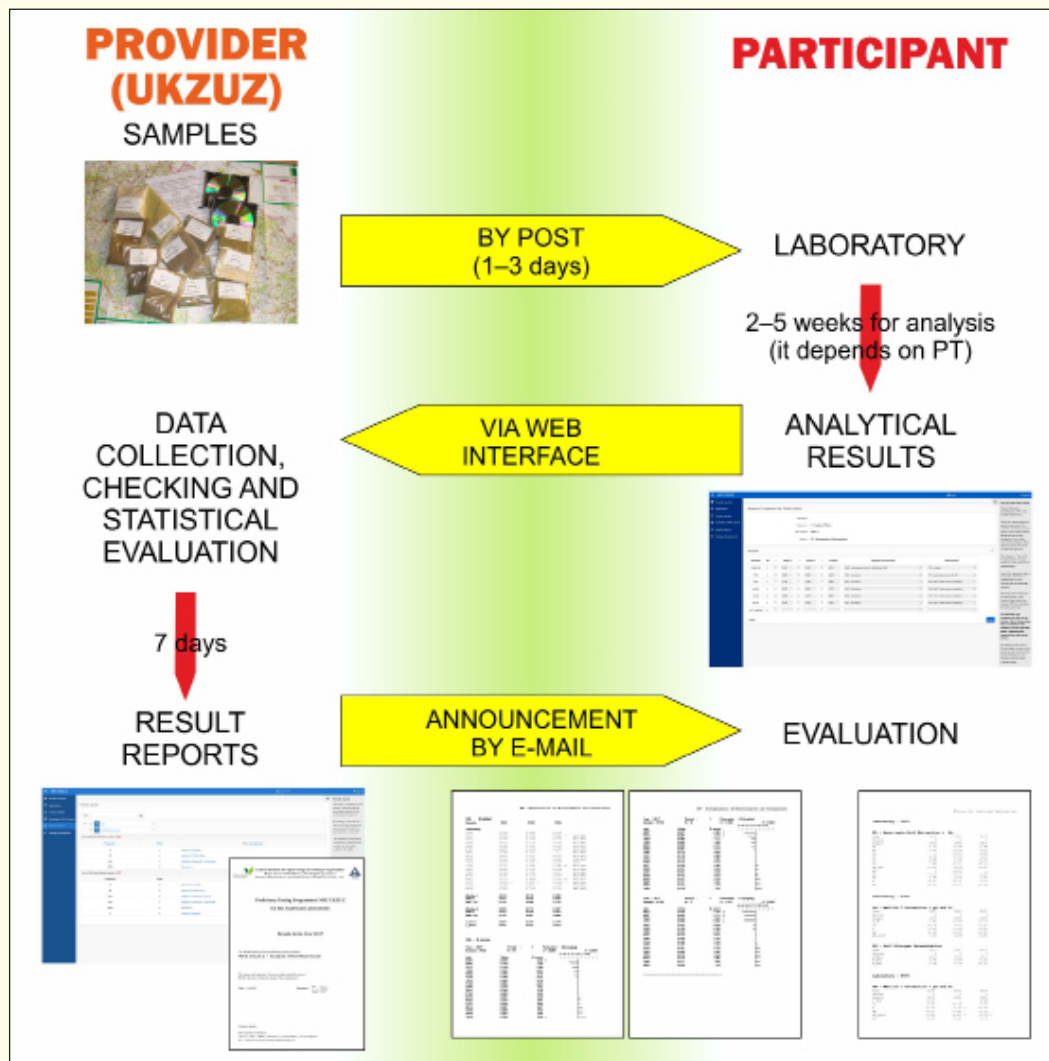
Department of Proficiency Testing Programmes was accredited in the year 2008 by the Czech Accreditation Institute as the Proficiency Testing Provider No 7005.

Scope of MPZ UKZUZ			
Analysis of Soils	Analysis of Plants	Analysis of Feedstuffs	Analysis of Sludge and Sediments
Two periods per year, three samples for each matrix, (sludges and sediments two samples in each period).			
			
Soils	Plants	Feedstuffs	Sludges and Sediments
P ₁ CP, P ₂ SP, Ca, K, Mg, Al, B, Cu, Fe, Mn, S, Zn in extract according to Mehlich 3, pH/CaCl ₂ , EC. As, Be, Cd, Co, Cr, Cu, Mo, Ni, Pb, V, Zn in aqua regia extract and determination of Hg (total content). Once a year soil nitrogen - N-NO ₃ ⁻ , N-NH ₄ ⁺ .	Total content of Ca, Mg, K, P, Na, N, As, Be, Cd, Co, Cr, Cu, Mo, Ni, Pb, V, Zn, Hg, Fe, Mn, B, Al, determination NO ₃ ⁻ .	Basic parameters - moisture, ash, protein (N * 6,25), starch, sugars, fibre, fat, total contents of Ca, K, P, Mg, Na, Mn, Zn, Fe, Cu, Cl- (NaCl), 18 individual amino acids. Once a year ADF, NDF, S, Se, As, Cd, Cr, Hg, Pb.	As, Be, Cd, Co, Cr, Cu, Mo, Ni, Pb, V, Zn, Na, Ca, Mg, K, P, Fe, Mn, Al in aqua regia extract, determination of N and Hg (total content), LOI.

Analysis of Oil Plant Seeds	Additives in Feedstuffs	Mycotoxins	ELISA	Detection of Animal Proteins in Feedstuffs
Once a year, three samples.	Two PTs, once a year, one complete feeding mixture and one premix for each parameter.	Once a year, two samples.	Once a year, four freeze-dried samples.	Once a year, four samples.
				
Plants	Feedstuffs	Feedstuffs and Food	Plants	Feedstuffs
Fat, crude protein.	PT Coccidiostats – salinomycin, monensin, nicarbazin, narazin, lasalocid, robenidin. PT Vitamins - A, E, D ₃ .	DON, OTA, ZEA, T-2, HT-2, Fumonisin B1, B2, G1, Aflatoxins B1, B2, G1, G2, Enniatins A, A1, B, B1, Beauvericin.	Qualitative detection of the viral infection.	Qualitative detection of the constituents of animal origin.

Each laboratory can determine any number of parameters being evaluated. A complete anonymity of participants within the MPZ UKZUZ is ensured by the system of numeric coding. The method of determination being used (digestion or extraction and analytical method of determination) is indicated by a six-figure method indicating code in the results report. Tailor-made software for all actions connected with PT MPZ UKZUZ (statistical evaluation, results transfer, sample database, stability evaluation, long term evaluation of the results for a particular parameter(s), list of participant(s) and method indicating codes, etc.) is used.

Timetable within one period



Further information: www.ukzuz.cz – link Laboratories
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