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Metrology in chemistry as a smart specialization of Poland: the collaboration between Central Office of Measures (GUM) and University of Warsaw

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[chemical measurements](#) [food safety](#) [human health](#) [monitoring of the environment](#)

Abstract

Chemical measurements are required in many areas, mainly as a base for a number of important decisions in respect of the safety and quality of life. The results of clinical testing are used by medical doctor for the decisions on the status of the human health and in consequence to prescribe the fit for purpose therapy. The results of food examination are used for the decision whether the composition of the foodstuff fulfils the food safety requirements. There are some more fields of usefulness of the results of chemical measurements, e.g. anti-doping analysis in sport domain, industrial testing of substrates and products, and last but not least the monitoring of the environment.

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