

AGREEMENT  
ON METROLOGICAL COOPERATION IN THE FIELD OF CHEMISTRY  
concluded on 20<sup>th</sup> May 2014

between:

Minister of Economy – **JANUSZ PIECHOCIŃSKI**

President of the Central Office of Measures – **JANINA MARIA POPOWSKA**

and

His Magnificence Rector of the University of Warsaw – **MARCIN PALYS**

The Minister of Economy, the President of the Central Office of Measures, and the Rector of the University of Warsaw,

- acknowledging that the current and potential state of need of the national economy in the area of industrial production, environmental protection, food safety, medicine and pharmacy, as well as criminalistics, requires effective support in the form of modern solutions in the field of chemical metrology,
- aiming to extend and improve the metrological foundations of innovation and competitiveness of the national economy,
- guided by the will to improve the cohesion of action and to strengthen the effectiveness of the hitherto undertakings executed in chemical metrology,

have decided as follows:

§1

1. The University of Warsaw declares a will to cooperate in favour of the development of chemical and biochemical metrology, and appoints its organisational unit - the Biological and Chemical Research Centre to organise and perform work in this area.

2. The Ministry of Economy recommends the Central Office of Measures – together with the Biological and Chemical Research Centre – for the realisation of all the necessary actions leading to the development of the Polish chemical and biochemical metrology.

§2

The cooperation between the Parties to the Agreement aims to:

- 1) set and fulfil the needs of the national economy in the area of reference materials of high purity, matrix materials or standard solutions, ensuring traceability with SI units of measurement in the field of chemistry, and enabling the validation of the new research and diagnostic methods.
- 2) activate the national and international metrological collaboration in the field of chemistry and biochemistry
- 3) increase the efficiency of the influence of national metrological centres on raising the technological level and the degree of the competitiveness of national economy, as well as to improve the quality of life of Polish citizens

### §3

1. Cooperative actions of the Biological and Chemical Research Centre and the Central Office of Measures covers the realisation of the aims referred to in §2, and in particular by:

- 1) elaboration of the national metrology development programme in the field of chemistry and biochemistry;
- 2) elaboration and implementation of the programme of production and certification of the new primary and secondary reference materials to provide traceability in the field of organic and inorganic chemistry;
- 3) elaboration and reporting of common research subjects realised and financed in the framework of European Research Programmes in the field of chemical metrology;
- 4) undertaking of cooperative research and development activities in creation of the national measurement standards in the field of chemistry and biochemistry at the University of Warsaw Biological and Chemical Research Centre;
- 5) elaboration of new ones or perfecting the already existing measurement methods connected with production and certification of the reference materials in the field of chemical metrology;
- 6) inclusion of the Biological and Chemical Research Centre in the bilateral and international comparisons programmes in the field of chemical metrology;
- 7) granting mutual access to the measuring infrastructure used in scientific research and development activities, performed by both institutions;
- 8) publishing of the results obtained in the course of cooperative research and development projects.

2. The effect of the cooperative actions will be the establishment of a laboratory having the Designated Institute (DI) status at the University of Warsaw Biological and Chemical Research Centre.

3. A detailed method and deadlines of the above mentioned activities will be specified in the work schedule created and approved by both the Biological and Chemical Research Centre and the Central Office of Measures.

#### §4

The actions of the Biological and Chemical Research Centre undertook in order to realise the aims referred to in §2 particularly cover the following assignments:

- 1) participation in the project financed by the National Centre for Research and Development (INNOTECH) under the acronym MODAS entitled **“The elaboration and attestation of the new types of reference materials necessary to obtain the European accreditation by the Polish industrial analytics laboratories”**;
- 2) purchase of a mass spectrometer for the examination of stable isotopes, and then, the implementation of an absolute method in inorganic and organic trace analysis.
- 3) undertaking actions in the area of production and certification of reference materials for the purpose of the analysis of psychopharmaceuticals, performed at the Central Forensic Laboratory;
- 4) undertaking actions in the area of production and certification of reference materials for the purpose of the examination of purity of radiopharmaceuticals, produced in the laboratories of the University of Warsaw;
- 5) undertaking actions in the area of production and certification of reference materials for the purpose of determining the content of mercury and radium in natural gas.

#### §5

The actions of the Central Office of Measures undertook in order to realise the aims referred to in §2, particularly cover the following assignments:

- 1) substantial support in the area of production and certification of the reference materials and in creation of measurement standards being in the field of interest of the Biological and Chemical Research Centre.
- 2) transfer of knowledge in the area of chemical metrology and certification of the reference materials, gained by the representatives of GUM (*the Central Office of Measures*) in EURAMET Technical Committees (*TC-MC, Metrology in Chemistry*) and BIPM Consultative Committee (*CCQM, Consultative Committee for Amount of Substance – Metrology in Chemistry*), as well as in ISO REMCO (*Committee on Reference Materials*);
- 3) establishment of cooperation with the Biological and Chemical Research Centre in reviewing documents related to chemical metrology, elaborated by OIML, ISO REMCO, as well as

norms for the Polish Committee for Standardization, Technical Committee of Chemical Analysis.

- 4) updating the International Database for Certified Reference Materials (COMAR), by including information concerning the new certified reference materials produced by the Biological and Chemical Research Centre.

#### §6

The Faculty of Chemistry of the University of Warsaw will provide the opportunity for scientific development (dissertations or habilitation theses in the field of chemical metrology) to appropriate employees of the Central Office of Measures— according to the procedures of the University of Warsaw.

#### §7

The Central Office of Measures will provide students or graduates of the University of Warsaw with an opportunity to attend student apprenticeships, internships and to carry out research in connection with their MA theses.

#### §8

This agreement does not result in incurring any mutual financial liabilities. The way of financing cooperative actions, giving rise to financial consequences for the Parties requires the conclusion of a separate agreement.

#### §9

The agreement enters into force on the day of signing.

#### §10

This agreement has been drawn up in three identical copies, one for each Party.

His Magnificence Rector of the University of Warsaw

Marcin Pałys

President of the Central Office of Measures

Janina Maria Popowska

Minister of Economy

Janusz Piechociński