

Provisional Recommendations

Provisional Recommendations are drafts of IUPAC recommendations on terminology, nomenclature, and symbols made widely available to allow interested parties to comment before the recommendations are finally revised and published in Pure and Applied Chemistry. Full text is available online.

 www.iupac.org/reports/provisional

Glossary of Terms Used in Biomolecular Screening

Biomolecular screening is now a crucial component of the drug discovery process and this glossary of terms will be of use to practitioners in the field of screening and to those who interact with the screening community. The glossary contains definitions related to various aspects of the screening process such as assay types, data handling, and relevant technologies. Many of the terms used in this discipline are not covered by existing glossaries, and in the cases where they are, the definitions are often not appropriate. This document provides new or modified definitions to better reflect the new context. The field of biomolecular screening is multidisciplinary in nature and this glossary of authoritative definitions will be useful not only for regular practitioners, but also for those who make use of the data generated during the screening process.

Comments by 30 September 2009

John Proudfoot

<john.proudfoot@boehringer-ingenelheim.com>

Boehringer Ingelheim Pharmaceuticals Inc

900 Ridgebury Road

Ridgefield, CT 06877, USA

 www.iupac.org/reports/provisional/abstract09/proudfoot_300909.html

Metrological Traceability of Measurement Results in Chemistry: Concepts and Implementation

This IUPAC study aims at formulating recommendations concerning the metrological traceability of a measurement result in chemistry. It is intended to provide the chemical measurement community with a consistent view of the creation, meaning, and role of metrological traceability and its underpinning concepts. No distinction is made between measurement results obtained in "high metrology" and in the "field". A description is given of the calibration hierarchies needed in different circumstances to arrive at metrological traceability along a metrological traceability chain. Flow charts of generic calibration hierarchies are presented as well as

a variety of examples. The establishment, assessment, and reporting of metrological traceability are discussed, including the needed metrological institutional framework and the role of interlaboratory comparisons. Recommendations are made about the essential steps in planning and performing a measurement, and reporting a measurement result.

Comments by 31 October 2009

Prof. Paul De Bièvre

Tel.: +[32] 14 851 338

Fax: +[32] 14 853 908

E-mail: paul.de.bievre@skynet.be

 www.iupac.org/reports/provisional/abstract09/debievre_311009.html

Name and Symbol of the Element with Atomic Number 112

A joint IUPAC/IUPAP Working Party (JWP) has confirmed the discovery of the element with atomic number 112 by the collaboration of Hofmann et al. from the Gesellschaft für Schwerionenforschung mbH in Darmstadt, Germany. In accordance with IUPAC procedures, the discoverers proposed a name, copernicium, and symbol, Cn, for the element. The Inorganic Chemistry Division now recommends these proposals for acceptance.

This proposal lies within the long tradition of naming elements to honor famous scientists. Nicolaus Copernicus was born on 19 February 1473 in Torún, Poland, and died on 24 May 1543 in Frombork/Frauenburg. His work has been of exceptional influence on the philosophical and political thinking of humankind and on the rise of modern science based on experimental results.

Comments by 31 January 2010

Prof. John Corish <jcorish@tcd.ie>

University of Dublin

Chemistry Department, Trinity College

Dublin 2, Ireland

 www.iupac.org/reports/provisional/abstract09/corish_310110.html