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SEPTEMBER 2015



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While compilation of this issue, a variety of applications have been reported from pharmaceutical analysis to archaeological investigation and phytochemical analysis. Also the determination of the total cholesterol in both healthy and cancerous human lung tissue was performed by HPTLC. An interphase model for retention widens the view on fundamentals and provides insight into the relative importance of various intermolecular interactions on retention and selectivity. So, for normal phase separations, contributions of solvent and solute interactions with the adsorbent surface have to be considered.

As more and more validation data are reported for the methods used, reflection on the significance of digits is important for a proper report and interpretation of the results. Of course, the number of decimal figures is dependent on either the calculated measurement uncertainty or the precision of the results for repeated analyses. Thus, reproducibility rates as well as LOD and LOQ values can be rounded to the integer.

Another issue refers to nomenclature, when publishing. According to IUPAC, the R_F value – or preferably the hR_F value – has to be written in italics with a subscript, non-italics F. For the reporting of abstracts in the CCBS database, we tolerate non-conformity to IUPAC writing with regard to the otherwise immense effort.

We are frequently asked how to receive the CBS hardcopy. Please feel free to write a short note, including your delivery address, to cbs@camag.com and you will get the current CBS as published twice a year.

Dear friends

Half a century has passed, since our company founder Dr. Dieter Jänchen decided to bring out a periodical directed at the advancement and transfer of sound, relevant information about the technique and the application of planar chromatography. The first edition of CBS, May 1965, consisted of four pages and referenced 48 papers. CBS is now and for some time published twice a year. It is read worldwide and has become, due to its information content, much more than a company magazine. The collection of abstracts on important TLC/HPTLC work (CCBS) has evolved into an extensive database with international appreciation. Each new issue presents the latest applications in different fields that are interesting to our readers. Dr. Jänchen was responsible as editor for all issues up to CBS 84 (March 2000). He sought topicality, yet relevance and a high standard of quality for each issue. We thank Dr. Jänchen for the wise initiation of the CAMAG Bibliography Service 50 years ago and for his support for each CBS issue up to the present day.



The current CBS issue presents five up-to-date HPTLC applications in practice, starting with the Yeast Estrogen Screen in combination with planar chromatography (HPTLC-pYES), the characterization and separation of the main xanthons from raw extracts, the quality control of traditional Chinese medicine by image evaluation, the in-process control for production of new ergolin psychedelics via HPTLC-MS and characterization of marker compounds in Java tea.

Kind regards

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