

Definitive IUPAC Recommendations

The following definitive recommendations on nomenclature, terminology, and symbolism have been published since January 1993;

1. 'Quantities, Units and Symbols in Physical Chemistry'. Blackwell Scientific Publications, Oxford, 1993.
2. Nomenclature for chromatography. Pure Appl. Chem. (1993) 65: 819
3. Nomenclature, symbols and definitions in electrochemical engineering. Pure Appl. Chem. (1993) 65: 1009
4. Revised nomenclature for radicals, ions, radical ions and related species. Pure Appl. Chem. (1993) 65: 1357
5. Nomenclature for regular double-strand (ladder and spiro) organic polymers. Pure Appl. Chem. (1993) 65: 1561
6. Glossary for chemists of terms used in toxicology. Pure Appl. Chem. (1993) 65: 2003
7. Nomenclature of kinetic methods of analysis. Pure Appl. Chem. (1993) 65: 2291
8. Nomenclature for liquid–liquid distribution (solvent extraction). Pure Appl. Chem. (1993) 65: 2373
9. Nomenclature for supercritical fluid chromatography and extraction. Pure Appl. Chem. (1993) 65: 2397
10. Nomenclature and terminology for analytical pyrolysis. Pure Appl. Chem. (1993) 65: 2405
11. Kinetics of composite reactions in closed and open flow systems. Pure Appl. Chem. (1993) 65: 2641

Comments on these recommendations would be welcomed, addressed to the originating IUPAC Commission (for addresses see the appropriate issue of Pure Appl. Chem.), with copies to Dr A. D. McNaught, Secretary, Royal Society of Chemistry Nomenclature Committee, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, UK.

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Book Review

Pharmaceutical Technology.
Tableting Technology Volume 2 (Compression)
(Ellis Horwood Series in Pharmaceutical Technology)
Edited by James I. Wells and Michael H. Rubinstein
Published 1993 Ellis Horwood Limited, Chichester
ix + 216 pages
ISBN 0 13 662958 X £55·00

Tableting is an area that still exercises the mind of pharmaceutical scientists despite the fact that the process has been with us for a long time. As a member of what appears to be a dwindling band of "powder pressers", any book on compression is a welcome arrival.

Tableting Technology is a collection of papers selected from presentations in tableting made at four meetings of the Pharmaceutical Technology Conference from 1989 to 1992. In this lies both its strength and its weakness. Although the papers chosen cover a wide range of topics related to tableting, ten out of the eighteen contributions focus on double compression and lubrication.

The first four chapters illustrate the problem with this type of collection. The subject is roller compaction and the contributions are all from the same research group. Hence there is a certain amount of repetition and at times ambiguity. For example, the relationship expressed by hardness of tablets divided by the maximum upper punch force is termed yield in one paper and cohesion index in another. Although it is not the intention of collections such as this, if the authors could have been persuaded to combine their presentations into two chapters, a more coherent contribution to the subject would have resulted. None the less, this is a welcome investigation into an area which is used extensively in pharmacy but has not been subjected to the detailed analysis that has been afforded to wet granulation.

The papers on lubrication are of interest in that one covers an approach to evaluate efficacy in tableting, two are concerned with that perennial bane of formulators, magnesium stearate, one looks at improving water soluble lubricants, and the final paper examines the influence of machine variables on friction and lubrication. There is much of value in this section.

Of the other contributions, some are specific to particular systems whereas others are of more general application. The Editors have ensured a consistency of style which is pleasing. The diagrams are large and well produced, although this occasionally entails placing them at the end of the text rather than within it which detracts from an otherwise well produced book.

This is not a general text on tableting but workers in the area, both in industry and academia, will find much of interest.

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