

## *Book reviews*

**Gas chromatographic retention indices of toxicologically relevant substances on packed or capillary columns with dimethylsilicone stationary phases (1992)** VCH, Weinheim, 416 p, DM 158,-. ISBN 3-527-27396-4

The third edition of the gas chromatographic retention indices of toxicologically relevant substances is one of the basic reference books essential for every toxicological laboratory. A list of 4500 substances is given, which has been compiled from the data of DFG, TIAFT and from Pflieger, Maurer and Weber. Included are many metabolic substances, which are important in cases of poisoning.

The increasing amount of toxicologically relevant substances and the more detailed description of some important substance-classes such as pesticides, beta-blockers and benzodiazepines is reflected in the increased size of this new edition. Several ways of derivatisation are described for critical substances, which are difficult to analyse chromatographically.

So the data of the "Gas chromatographic retention indices of toxicologically relevant substances on packed or capillary columns with dimethylsilicone stationary phases" is a powerful tool to get one step nearer to the aim of identification of unknown substances.

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**Gas chromatographic retention indices of solvents and other volatile substances for use in toxicological analyse (1992)** VCH, Weinheim, 128 p, DM 68,-. ISBN 3-527-27395-6

The retention indices of solvents and other volatile substances for use in toxicological analyses gives retention indices of ~ 400 organic solvents.

Carbowax 20M, 6.6% on Carbopack B AW (80/120 mesh) and Carbowax 20M, 0.3% on Carbopack (80/100 mesh) are the two packed column systems, by which the retention indices have been measured by. The reference substances used for the calculation of the retention indices are the 1-Hydroxy-n-Alkanes (RIOH-Data).

The substances are listed in different ways: by name, CAS-Nr., RIOH-Data and chemical formula. The tabulation of data is an ideal combination with the "Gas chromatographic retention indices of toxicologically relevant substances on packed or capillary columns with dimethylsilicone stationary phases".

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