

Contents

1	Preface	7
2	Acknowledgements	8
3	Introduction	9
4	Choice of Systems	10
4.1	General Systems	10
4.2	Special Systems	12
5	Running the Systems	14
5.1	General Systems	14
5.2	Special Systems	14
6	Measurement and Correction of hR_f Values	19
7	R_f Data	21
7.1	Comments on the Tables	21
7.1.1	Substance Names	21
7.1.2	Reported Data, General Systems	21
7.1.3	Reported Data, Special Systems	22
7.2	Using the Data	22
7.3	Abbreviations	23
8	Tables	25
8.1	Substance Names in Alphabetical Order vs. hR_f Data and CAS Registry Numbers	25
8.2	hR_f Data in TLC System 1 in Ascending Numerical Order vs. Substance Names	69
8.3	hR_f Data in TLC System 2 in Ascending Numerical Order vs. Substance Names	77
8.4	hR_f Data in TLC System 3 in Ascending Numerical Order vs. Substance Names	86
8.5	hR_f Data in TLC System 4 in Ascending Numerical Order vs. Substance Names	94
8.6	hR_f Data in TLC System 5 in Ascending Numerical Order vs. Substance Names	120
8.7	hR_f Data in TLC System 6 in Ascending Numerical Order vs. Substance Names	145
8.8	hR_f Data in TLC System 7 in Ascending Numerical Order vs. Substance Names	157
8.9	hR_f Data in TLC System 8 in Ascending Numerical Order vs. Substance Names	177
8.10	hR_f Data in TLC System 9 in Ascending Numerical Order vs. Substance Names	198
8.11	hR_f Data in TLC System 10 in Ascending Numerical Order vs. Substance Names	216
8.12	hR_f Data in TLC System T (Toxi-Lab A) vs. Substance Names	234
8.13	hR_f Data in TLC System P1 (Pesticides) vs. Substance Names	250
8.14	hR_f Data in TLC System P2 (Pesticides) vs. Substance Names	254
8.15	hR_f Data in TLC System B (Benzodiazepine Hydrolysis Products) vs. Substance Names	258
8.16	CAS Registry Numbers in Numerical Order vs. Substance Names	259

9	References	291
10	Addresses of the Authors	293
11	Members of the TIAFT Committee for Systematic Toxicological Analysis	294
12	Members of the DFG Commission for Clinical-Toxicological Analysis	295
13	Publications of the DFG Commission for Clinical-Toxicological Analysis	298
Appendix A		
	Computer Program in BASIC for the Calculation of Corrected R_f Values	300
Appendix B		
	Computer Program in TURBO PASCAL for the Calculation of Corrected R_f Values	302
Appendix C		
	Details for the Detection of Pesticides Using TLC Systems P1 and P2	304
Appendix D		
	Details for the Thin-Layer Chromatographic Analysis of Benzodiazepine Hydrolysis Products Using System B	306
Color Wheel	Inside Back Cover	