



Instrumental Methods of Chemical Analysis

- 
- Gurdeep R. Chatwal
 - Sham K. Anand

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Chatwal And Anand Instrumental Analysis

Gurdeep Chatwal, Sham K Anand



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Instrumental Methods of Chemical Analysis Gurdeep Chatwal, Sham Anand, 1986 *Laboratory Manual of Instrumental Methods of Analysis* Dr. Niranjan S. Mahajan, Dr. M. S. Kondawar, Mr. Sushant Sudhir Pande, Dr. Vivekkumar K Redasani, Dr. Santosh V. Gandhi, 2023-09-28 We are very pleased to put forth Laboratory Manual of Instrumental Methods of Analysis This manual is designed as per syllabus set by PCI for final year degree course in pharmacy as per PCI B Pharm course regulations 2014 This manual is a sincere effort to improve the practical skills of students so that every student will understand the objective of each experiment and perform the practical easily This manual is designed for outcome based education and each experiment is arranged in uniform way such as Aim Practical Significance Practical Outcomes Theory Resources required Precautions Procedure Observations Calculations Results Conclusion References and Synopsis questions Theory of each experiment is given in all fifteen experiments making the manual more interesting The manual also focuses on practical skills as well as on the observation tables and calculations that will be helpful in qualitative and quantitative analysis The experiments designed in this manual are written after practical performance in the laboratory by author themselves We welcome all the suggestions from teachers and students regarding the conduct of the practical Also you can put your queries in case of difficulties directly to us so that the effective solution can be given to you We are always with you to support and help so feel free to interact with us We look forward for your valuable feedback regarding manual We acknowledge the help and co operation extended by various persons in bringing out this manual We are highly indebted to the authors of various books and articles mentioned in bibliography which became a major source of information for writing this manual We also thank the publishers designers and printers who graciously worked hard to publish this manual in time

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where α is the resulting vector angle y is the resulting vector vertical offset c is the sum of the two force vectors a is the first force vector b is the second force vector