Record Nr. UNINA9911019862803321 Autore Barry Eugene F Titolo Columns for gas chromatography: performance and selection / / Eugene F. Barry, Robert L. Grob Hoboken, N.J., : Wiley-Interscience, c2007 Pubbl/distr/stampa **ISBN** 9786610826797 9781280826795 1280826797 9780470114186 0470114185 9780470114179 0470114177 Descrizione fisica 1 online resource (314 p.) Altri autori (Persone) GrobRobert Lee Disciplina 543.85 543/.85 Soggetti Gas chromatography Chromatographic analysis Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. COLUMNS FOR GAS CHROMATOGRAPHY: CONTENTS: Preface: Nota di contenuto Acknowledgments; 1 Introduction; 1.1 Evolution of Gas Chromatographic Columns; 1.2 Central Role Played by the Column; 1.3 Justification for Column Selection and Care: 1.4 Literature on Gas Chromatographic Columns; 1.5 Gas Chromatographic Resources on the Internet; References; 2 Packed Column Gas Chromatography; 2.1 Introduction; 2.2 Solid Supports and Adsorbents; Supports for Gas-Liquid Chromatography; Adsorbents for Gas-Solid Chromatography; 2.3 Stationary Phases; Requirements of a Stationary Phase; USP Designation of Stationary Phases Kovats Retention IndexMcReynolds and Rohrschneider Classifications of Stationary Phases; Evaluation of Column Operation; Optimization of

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Sommario/riassunto

Choosing the right column is key in Gas Chromatography Gas Chromatography (GC) is the most widely used method for separating and analyzing a wide variety of organic compounds and gases. There have been many recent advancements in both packed column and capillary column GC. With numerous options and considerations, selecting the right column can be complicated. This resource provides essential guidance for scientists and technicians, including:Methods of choosing both capillary and packed columnsSelection of dimensions (column length, I.D., film thickness, etc.) and type of column