

Single Dimension, Multiple Development Thin-Layer Chromatography of Sugars for Densitometric Quantification (Classic Reprint) (Paperback)



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Reviews

Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.
(Kade Ankunding)



SINGLE DIMENSION, MULTIPLE DEVELOPMENT THIN-LAYER CHROMATOGRAPHY OF SUGARS FOR DENSITOMETRIC QUANTIFICATION (CLASSIC REPRINT) (PAPERBACK)

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Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Single Dimension, Multiple Development Thin-Layer Chromatography of Sugars for Densitometric Quantification Partitioning of simple sugars within the pentose and a methylated derivative, rhamnose, of the hexose group was accomplished with ethyl acetate, pyridine, and water (solvent 0) on cellulose media. Within this group of sugars, rhamnose, ribose, xylose and fructose were satisfactorily separated from each other, with the entire group occupying more than the upper half of the chromatogram. Fructose, glucose, sucrose, and raffinose separated well, but with not enough distance between sugars to allow identification of other hexoses and disaccharides. When using the same solvent on silica gel, a greater separation between rhamnose and ribose and between xylose and fructose occurred, but ribose and xylose were contiguous. Chloroform, acetic acid, and water (solvent B) in combination with cellulose provided satisfactory separations between sugars of a mixture of hexoses and disaccharides. Glucose, mannose, and sorbose were separated from each other and from a spot containing arabinose and fructose. Separations between constituents having positions lower than glucose on the chromatograms were found to be satisfactory in the solvent D-cellulose media combination. This method was used to separate glucose, sucrose, galactose, and raffinose from each other, at the expense of sorbose and fructose, which occupied a spot above glucose. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however,...

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