



# The Chemical Components of Tobacco and Tobacco Smoke, Second Edition

By Alan Rodgman, Thomas A. Perfetti

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Authored by two longtime researchers in tobacco science, **The Chemical Components of Tobacco and Tobacco Smoke, Second Edition** chronicles the progress made from late 2008 through 2011 by scientists in the field of tobacco science. The book examines the isolation and characterization of each component. It explores developments in pertinent analytical technology and results of experimental studies on biological activity, toxicity, and tumorigenicity, including the inhibition of adverse biological activity of one specific tobacco smoke component by another tobacco smoke component.

Adding to the progress reported in the First Edition, the comprehensive **Second Edition** provides nearly 7,000 references on almost 9,600 components. The authors discuss the controversies over the extrapolation of the biological effect of a specific component administered individually by one route versus its biological effect when the component is in a highly complex mixture and is administered by a different route. They also cite studies in which cigarette design technologies were developed to control the per-cigarette mainstream smoke yield of Federal Trade Commission–defined tar and one or more specific tobacco smoke components of concern.

New in the Second Edition:

A searchable companion CD-ROM containing the 350-page alphabetical Component Index. Authors Alan Rodgman and Thomas A. Perfetti were jointly awarded the 2010 CORESTA (Cooperative Centre for Scientific Research Relative to Tobacco) Prize for their extensive work on documenting the vast literature on the chemical composition of tobacco and tobacco smoke in their original edition.



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### Editorial Review

**Praise for the First Edition...** the real value of the book will turn out in its daily use and it has all chances to become the standard reference book (perhaps 'The Bible') of all tobacco scientists.

?Dr. Gerhard Scherer, Editor of *Beitrage zur Tabakforschung International*, Bonn, Germany

I highly recommend this book as an indispensable reference source for tobacco and smoke chemists as well as other scientists involved in the study of tobacco and its products. The compilation of proper chemical names, common names, Chemical Abstract Service numbers (CAS No.), and structures alone are worth the purchase price.

?Charles R. Green, Ph.D., Retired Senior Principal Scientist, R. J. Reynolds Tobacco Company, Winston-Salem, North Carolina

Many congratulations on this monumental piece of work.

?Dr. Chuan Liu, Senior Scientist, Applied Research, Group Research & Development, British American Tobacco, Southampton, United Kingdom

As a statistician I would like to forecast: There will not be any other comprehensive work in the next 30-50 years about this topic – Rodgman – Perfetti will be the definitive book.

?Prof. Dr. Wolf-Dieter Heller, Karlsruhe, Germany

as a reference text on a laboratory shelf it will prove essential and take its place alongside the other CRC publications.

?M. Cooke, *Chromatographia* 2010, 71

### About the Author

Perfetti and Perfetti, LLC, Winston-Salem, North Carolina, U Users Review**From reader reviews:**

Patrick Adkins:Book is to be different for each and every grade. Book for children till adult are different content. To be sure that book is very important for people. The book The Chemical Components of Tobacco and Tobacco Smoke, Second Edition had been making you to know about other information and of course you can take more information. It doesn't matter what advantages for you. The e-book The Chemical Components of Tobacco and Tobacco Smoke, Second Edition is not only giving you much more new information but also to be your friend when you truly feel bored. You can spend your own personal spend time to read your book. Try to make relationship with all the book The Chemical Components of Tobacco and Tobacco Smoke, Second Edition. You never really feel lose out for everything if you read some books. Lavonne Ouellette:Often the book The Chemical Components of Tobacco and Tobacco Smoke, Second Edition has a lot of knowledge on it. So when you make sure to read this book you can get a lot of gain. The book was published by the very famous author. The writer makes some research just before write this book. This kind of book very easy to read you can get the point easily after looking over this book.

Katherine Holt:People live in this new moment of lifestyle always try and and must have the spare time or they will get wide range of stress from both way of life and work. So , when we ask do people have time, we will say absolutely without a doubt. People is human not a robot. Then we question again, what kind of activity do you have when the spare time coming to you actually of course your answer will unlimited right. Then ever try this one, reading books. It can be your alternative throughout spending your spare time, the actual book you have read is The Chemical Components of Tobacco and Tobacco Smoke, Second Edition. Odelia Dennis:The Chemical Components of Tobacco and Tobacco Smoke, Second Edition can be one of your nice books that are good idea. All of us recommend that straight away because this e-book has good

vocabulary which could increase your knowledge in words, easy to understand, bit entertaining but delivering the information. The writer giving his/her effort that will put every word into pleasure arrangement in writing *The Chemical Components of Tobacco and Tobacco Smoke, Second Edition* but doesn't forget the main place, giving the reader the hottest in addition to based confirm resource details that maybe you can be one among it. This great information could drawn you into completely new stage of crucial pondering.

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