



Understanding and Measuring the Shelf-Life of Food (Woodhead Publishing Series in Food Science, Technology and Nutrition)

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The shelf-life of a product is critical in determining both its quality and profitability. This important collection reviews the key factors in determining shelf-life and how it can be measured.

Part one examines the factors affecting shelf-life and spoilage, including individual chapters on the major types of food spoilage, the role of moisture and temperature, spoilage yeasts, the Maillard reaction and the factors underlying lipid oxidation. Part two addresses the best ways of measuring the shelf-life of foods, with chapters on modelling food spoilage, measuring and modelling glass transition, detecting spoilage yeasts, measuring lipid oxidation, the design and validation of shelf-life tests and the use of accelerated shelf-life tests.

Understanding and measuring the shelf-life of food is an important reference for all those concerned with extending the shelf-life of food.

- Reviews the key factors in determining shelf-life and how they can be measured
- Examines the importance of the shelf-life of a product in determining its quality and profitability
- Brings together the leading international experts in the field

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Understanding and Measuring the Shelf-Life of Food (Woodhead Publishing Series in Food Science, Technology and Nutrition) From Brand: Woodhead Publishing Bibliography

- Sales Rank: #4219183 in Books
- Brand: Brand: Woodhead Publishing
- Published on: 2004-05-24
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .94" w x 6.14" l, 1.69 pounds
- Binding: Hardcover
- 448 pages

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Review

...a valuable reference on the subject for food science professionals, researchers and students alike., Food Australia

...a good grounding and contemporary overview of issues which affect shelf-life. ...a useful guide for students and teachers., International Journal of Food Science and Technology

...aimed at all those involved in the food chain and, in general, it serves the needs of food industry practitioners well., International Journal of Food Science and Technology

About the Author

Dr Rob Steele is Head of the Packaging Materials Development Section of Food Science Australia.

Users Review

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