Food Contact Materials Analysis

Mass Spectrometry Techniques

Michele Suman Barilla S.p.A, Italy

Synopsis
Mass spectrometric techniques have developed to provide increasing solutions to solve problems in food processing and packaging. Even the smallest amount of contamination in food can cause a problem for food production companies, thus they are keen to find speedy and efficient quality control methods. This book outlines how ingredients and their interrelationship with processing and packaging have developed with the exploitation of mass spectrometry and gives practical protocols to stakeholders showing the flexibility of this technique. With huge relevance worldwide, it will appeal to food packaging scientist and mass spectrometry practitioners alike.

Brief Contents
- Risk Assessment of Plastic-Based Food Contact Materials: Focus on Polyolefins
- Food Contact Paper and Paperboard: Examples of Gas and Liquid Chromatography Determinations
- Introduction to food contact materials
- Adhesives in Food Packaging
- Volatile compounds through and from packaging
- Migration and sensory changes of packaged food products
- Risk assessment of plastic packaging for food applications
- Non-target / High Resolution MS strategies combined with proper data handling
The Horse Who Came to Dinner

The First Criminal Case of Food Fraud

Glenn Taylor

Synopsis

Science is at the forefront of uncovering some of the century’s biggest food scams and this book details food fraud over many years giving unique insights from an enforcement point of view. Following Horse-gate, the substitution of beef with horse, the enforcement world has changed. There is now a team focussing on food fraud and a desire to put the perpetrators behind bars. This book will be timely, bringing the literature right up to date, and aimed at food professionals and lay readers studying food fraud, those with an interest in forensics and food forensics in particular and enforcement officers.

Brief Contents

- The Luck of the Irish
- The Grecian Temple of Food Enforcement
- Is Food Fraud a New Idea?
- World-wide Food Frauds
- Off with their Heads
- Mission Impossible: Regulating a Global Marketplace
- Thinking Like a Food Fraudster
- The Bank Job
- Someone to Watch Over Me
- Look What They’ve Done to my Song

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