1. Record Nr. UNINA9910797028003321 Global legislation for food contact materials / / edited by Joan Sylvain **Titolo** Baughan Pubbl/distr/stampa Cambridge, England;; Waltham, Massachusetts;; Oxford, England:,: Woodhead Publishing, , 2015 ©2015 **ISBN** 1-78242-014-2 Descrizione fisica 1 online resource (245 p.) Collana Woodhead Publishing Series in Food Science, Technology and Nutrition ; ; Number 278 Disciplina 344.04232 Soggetti Food - Packaging Food - Packaging - Law and legislation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Front Cover; Global Legislation for Food Contact Materials; Copyright; Nota di contenuto Contents: List of contributors: Woodhead Publishing Series in Food Science, Technology and Nutrition; Preface; Part One: Food contact legislation: an overview; Chapter 1: Food migration testing for food contact materials; 1.1. Introduction; 1.2. Possibilities of food migration testing; 1.2.1. Preparation of migration solution; 1.2.2. Measurement of migrants; 1.2.2.1. Specific determination; 1.2.2.2. Semi-quantitative determination; 1.2.2.3. Method validation; 1.2.2.4. Separation of analytes 1.2.2.5. Ionisation and detection of analytes1.2.2.6. Coupling and decision of the method; 1.2.3. Overall migration testing; 1.2.4. Specific measurements; 1.2.4.1. Plastics: monomers and oligomers; 1.2.4.2. Plastics: plasticiser; 1.2.4.3. Plastics: further additives; 1.2.4.4. Plastics: production aids; 1.2.4.5. Printing inks: photoinitiators; 1.2.4.6. Adhesives: primary aromatic amines; 1.2.4.7. Metal boxes; 1.2.4.8. Packaging stability; 1.2.5. Modelling; References; Chapter 2: Compliance testing for food contact materials; 2.1. Introduction; 2.2. Testing in the European Union

2.2.1. Introduction2.2.2. Overall migration testing; 2.2.3. Specific migration testing; 2.2.4. Determination of residual content; 2.2.5.

Sensorial evaluation; 2.2.6. Purity requirements; 2.2.6.1. Colorants; 2.2.6.2. Carbon black; 2.2.7. Color release; 2.3. Testing in the United States; 2.3.1. Introduction; 2.3.2. End testing; 2.3.2.1. Paper; 2.3.2.2. Coatings; 2.3.2.3. Plastics; 2.3.3. Migration testing; Chapter 3: Future trends in global food packaging regulation; 3.1. Background 3.2. Trend 1: more restrictive requirements for materials used in contact with foods consumed by sensitive populations 3.3. Trend 2: more focus on novel materials and how to regulate them; 3.4. Trend 3: more attention to ``chemicals of concern ; 3.5. Trend 4: more recycled food packaging; Part Two: Food contact legislation for specific materials; Chapter 4: Global legislation for plastic materials in contact with food; 4.1. Introduction; 4.2. Food contact jurisdictions around the world; 4.2.1. United States (Food and Drug Administration); 4.2.2. Canada (Health Products and Food Branch) 4.2.3. European Union4.2.4. Australia/New Zealand (Food Standards Australia New Zealand); 4.2.5. China; 4.2.6. Japan; 4.2.7. South Korea; 4.2.8. South America (MERCOSUR); 4.3. Plastic resins; 4.3.1. Polyolefins; 4.3.1.1. Polyethylene; Low-density PE; High-density polyethylene; Linear low-density polyethylene; 4.3.1.2. Polypropylene; PP homopolymer; PP copolymers; 4.3.1.3. Polybutene-1; PB-1 homopolymer; 1-Butene/ethylene copolymer; 1-Butene/ethylene/propylene terpolymers: 4.3.1.4. Polymethylpentene: 4.3.2. Polyesters; 4.3.2.1. Polyethylene terephthalate; 4.3.2.2. Polylactides 4.3.3. Polyvinyl chloride