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Nota di contenuto	Functional Food: Safety Aspects Symposium; Inhaltsverzeichnis; Vorwort; Preface; I Hauptschlussfolgerungen und Empfehlungen; 1 Einleitung; 2 Allgemeine Aspekte der Sicherheitsbewertung; 3 Spezielle Aspekte der Sicherheitsbewertung; 4 Erkenntnislucken und Empfehlungen zum Forschungsbedarf fur die Sicherheitsbewertung; 5 Literatur; II Kriterien zur Beurteilung Funktioneller Lebensmittel; 1 Vorbemerkung; 2 Abgrenzung von Funktionellen Lebensmitteln gegenüber anderen Lebensmitteln und Produkten; 3 Bewertung der gesundheitlichen Unbedenklichkeit; 4 Funktionalitat und Auslobung 5 Beobachtung nach Markteinführung6 Schlussbemerkung; 7 Literatur; III Main Conclusions and Recommendations; 1 Introduction; 2 General Aspects of the Safety Evaluation; 3 Special Aspects of the Safety Evaluation; 4 Gaps in Knowledge and Recommendations for Research for the Safety Evaluation; 5 References; IV Criteria for the Evaluation of

Functional Foods; 1 Preamble; 2 Differentiation of Functional Foods From Other Foodstuffs and Products; 3 Evaluation of the Safety to Health; 4 Functionality and Claims; 5 Observation after the Market Introduction; 6 Concluding Remarks; 7 References

V Contributions

1 Diet, Genes, and Cancer Risk; 2 Regulatory Requirements for Functionality and Safety: A European View; 3 Functional Foods Research and Regulation in Japan; 4 Aspect on the Chinese Functional Food and their Safety; 5 Regulatory Framework for Functionality and Safety: A North American Perspective; 6 Dose-Response Relationships with Special Reference to Antioxidants; 7 Low Dose Competition of Flavonoids with Endogenous Thyroid Transport Proteins: Potential Relevance to the Thyroid Hormone Axis

8 Host Factors Relevant for Bioavailability: Transporters, Metabolizing Enzymes and Genetic Polymorphisms

9 Food Matrix and Related Factors Affecting Bioavailability; 10 Toxicokinetics/Toxicodynamics; 11 Biomarkers to Assess Safety Aspects and Functional Effects of Food; 12 Biomarkers Relevant to Cardiovascular Disease; 13 Biomarkers of Effect on the Immune System; 14 Mechanistic Understanding of Potential Adverse Effects of β -Carotene Supplementation; 15 Potential Adverse Mechanisms of Antioxidants During Cancer Therapy

16 Cholesterol Lowering Vegetable Oil Spreads: Results of a Post Launch Monitoring Programme

17 Effect of Flavonoids on Human Topoisomerases; 18 Risk/Benefit Aspects of Phytoestrogen Consumption; 19 Influence of Phytoestrogens on the Biotransformation of Endogenous Estrogens; 20 How Selective are Prebiotics?; 21 Pathogen or Probiotic - Where is the Boundary?; VI Posters; 1 In vitro Study of Prebiotic Properties of Levan-Type Exopolysaccharides from Lactobacilli and non-Digestible Carbohydrates using Denaturing Gradient Gel Electrophoresis

2 Effects of Butyrate on Glutathione S-Transferase P1 Expression in Human Colonic Adenoma Cells

Sommario/riassunto

The DFG Senate Commission on Food Safety organizes scientific meetings on current aspects of major importance to the safety of food, with the aim of reviewing and assessing the state of knowledge in a specific field. This book summarizes the important results from the meeting on "Functional Food: Safety Aspects", held at the Federal Research Center for Nutrition (Bundesforschungsanstalt für Ernährung, BFE) in Karlsruhe, attended by an outstanding faculty of internationally renowned experts from academia, industry and administration.
