1. Record Nr. UNINA9910814231603321 Titolo Handbook of food proteins / / edited by G.O. Phillips and P.A. Williams Cambridge,: Woodhead Pub., 2011 Pubbl/distr/stampa **ISBN** 1-61344-797-3 0-85709-363-0 Edizione [1st ed.] 1 online resource (457 p.) Descrizione fisica Woodhead Publishing series in food science, technology and nutrition, , Collana 2042-8049;; no. 222 Altri autori (Persone) PhillipsG. O WilliamsP. A Disciplina 613.282 664.0015726 Food - Protein content Soggetti **Proteins** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover: Handbook of food proteins: Copyright: Contents: Contributor contact details; Woodhead Publishing Series in Food Science, Technology and Nutrition; Preface; 1 Introduction to food proteins; 1.1 Introduction: 1.2 Structure of protein: 1.3 Functional properties of proteins; 1.4 Scope of this book; 2 Caseins; 2.1 Introduction; 2.2 Manufacture of casein-based ingredients; 2.3 Structure and properties: 2.4 Uses and applications of casein-based ingredients; 2.5 Interactions with other ingredients; 2.6 Technical data and specifications; 2.7 Regulatory status: 2.8 References: 3 Whey proteins 3.1 Introduction 3.2 Manufacture of whey protein ingredients; 3.3 Chemistry of the major whey proteins; 3.4 Technical data; 3.5 Uses and applications of whey protein ingredients; 3.6 Whey protein hydrolysates; 3.7 Regulatory status; 3.8 Future trends; 3.9 Sources of further information and advice; 3.10 Acknowledgements; 3.11 References; 4 Meat protein ingredients; 4.1 Introduction; 4.2 Sources of meat protein ingredients; 4.3 Lean tissue protein ingredients; 4.4 Connective tissue protein ingredients; 4.5 Hydrolysates and flavors; 4.6 Blood protein ingredients; 4.7 Future trends 4.8 Acknowledgment4.9 References; 5 Gelatin; 5.1 Introduction; 5.2

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Sommario/riassunto

Traditionally a source of nutrition, proteins are also added to foods for their ability to form gels and stabilise emulsions, among other properties. The range of specialised protein ingredients used in foods is increasing. Handbook of food proteins provides an authoritative overview of the characteristics, functionalities and applications of different proteins of importance to the food industry in one convenient volume. The introductory chapter provides an overview of proteins and their uses in foods. The following chapters each focus on a particular protein ingredient or group of ingr