

1. Record Nr.	UNISA996216294203316
Titolo	Carbohydrates as organic raw materials III [[electronic resource]] : developed from a workshop organized by the Carbohydrate Research Foundation Wageningen, The Netherlands November 28-29, 1994 // edited by Herman van Bekkum, Harald Roper, Fons Voragen
Pubbl/distr/stampa	Weinheim ; ; Cambridge, : VCH, c1996
ISBN	1-281-75851-5 9786611758516 3-527-61489-3 3-527-61488-5
Descrizione fisica	1 online resource (328 p.)
Altri autori (Persone)	RoperHarald BekkumHerman van VoragenA. G. J
Disciplina	547.78 547.780459
Soggetti	Carbohydrates Biomass chemicals
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Carbohydrates as Organic Raw Materials III; Contents; 1 Utilization of cell wall polysaccharides from cereal by-products and beet pulp; 2 Starch: present use and future utilization; 3 Metal-catalyzed oxidation and reduction of carbohydrates; 4 Production and use of inulin: Industrial reality with a promising future; 5 Lactose: its manufacture and physico-chemical properties; 6 Raw materials for fermentation; 7 Lactic acid production and utilization; 8 Starch and dextrans in emulsion copolymerization; 9 Synthesis of new 'Saccharide polymers' from unsaturated monosaccharides 10 Molecular inclusion within polymeric carbohydrate matrices 11 Resistant starch; 12 Bulking agents: polydextrose; 13 Alkyl polyglucoside, a carbohydrate-based surfactant; 14 Tailor-made carbohydrate surfactants? Systematic investigations into structure-property relationships of N-Acyl N-Alkyl 1-Amino-1-Deoxy-D-

Glucitols; 15 Calcium sequestering agents based on carbohydrates; 16
Bleach activators; Subject Index

Sommario/riassunto

This volume is the continuation of a successful bookseries devoted to an increasingly vital subject: the utilization of carbohydrates as chemical raw materials. Sixteen contributions present an overview of current research thereby covering several new topics which were not dealt with in the preceding volumes:- production and use of inulin- lactose: its manufacture and physico-chemical properties- lactic acid production and utilization- bulking agents: polydextrose- alkyl polyglucoside, a carbohydrate-based surfactantAs more than sixty percent of the authors com
