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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 surfactant
As more than sixty percent of the authors com