FOOD PRODUCTS COMPRISING A SLOWLY DIGESTIBLE OR DIGESTION RESISTANT CARBOHYDRATE COMPOSITION

ABSTRACT

A food product comprises an oligosaccharide composition that is digestion resistant or slowly digestible. The oligosaccharide composition can be produced by a process that comprises producing an aqueous composition that comprises at least one oligosaccharide and at least one monosaccharide by saccharification of starch, membrane filtering the aqueous composition to form a monosaccharide-rich stream and an oligosaccharide-rich stream, and recovering the oligosaccharide-rich stream. Alternatively, the oligosaccharide composition can be produced by a process that comprises heating an aqueous feed composition that comprises at least one monosaccharide or linear saccharide oligomer, and that has a solids concentration of at least about 70% by weight, to a temperature of at least about 40°C, and contacting the feed composition with at least one catalyst that accelerates the rate of cleavage or formation of glucosyl bonds for a time sufficient to cause formation of non-linear saccharide oligomers, wherein a product composition is produced that contains a higher concentration of non-linear saccharide oligomers than linear saccharide oligomers.

(FIG. 1)