

Title (en)
PROCESS FOR THE PRODUCTION OF MANNITOL AND SORBITOL.

Title (de)
HERSTELLUNGSVERFAHREN FÜR MANNITOL UND SORBITOL.

Title (fr)
PROCEDE DE PRODUCTION DU MANNITOL ET DU SORBITOL.

Publication
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Application
EP 83902934 A 19830816

Priority
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Abstract (en)
[origin: WO8400778A1] A method for the production of a mixture of mannitol and sorbitol having a mannitol to sorbitol ratio of at least 1.5 to 1.0. Glucose is enzymatically oxidized by a pyranose-2-oxidase enzyme to produce a solution of glucosone which is reduced by catalytic hydrogenation using a nickel catalyst in the presence of hydrogen to yield a mannitol-enriched mannitol-sorbitol mixture suitable for use in foods, pharmaceuticals, cosmetics and textiles.

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IPC 8 full level
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• [Y] WO 8103666 A1 19811224 - STANDARD BRANDS INC [US]
• [Y] CH 468326 A 19690215 - HEFTI AG [CH]
• [XP] CARBOHYDRATE RESEARCH, vol. 113, 1983, pages 159-162, Elsevier Scientific Publishing Co., Amsterdam, NL; J. GEIGERT et al.: "Convenient, laboratory procedure for reducing D-glucosone to D-fructose"

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