



>>Entry Name: Dextrin, 9CI, 8CI, BAN

ENTRY UNDER REVIEW

Synonym(s): Icodextrin, BAN. Adept. AmylinStarch gum. British gum. Amylodextrin. Dextrid. Icodial. Starch gum

CAS Registry Number: 9004-53-9

Related CAS Registry Numbers(s): 9004-51-7 9005-84-9

General Statement: $(C_6H_{10}O_5)_n \cdot xH_2O$. A mixture of polymerised glucosans. Gives a reddish-brown colour with iodine and does not reduce Fehling's soln. Commercial dextrin is less pure and usually contains sol. starch and glucose. Treatment with dil. acids gives maltose and finally glucose.

Biological Source: Formed by partial hydrol. of starch or by heating glucosans, product differs according to conditions of preparation

Biological Use/Importance: Used as a capsule and tablet diluent, in emulsions, for thickening mordants used in printing fabrics and in manuf. of printer's inks, glues, matches, fireworks, explosives, binder, colloid stabiliser and other uses in food, oral dietary supplement. Used clinically to reduce postoperative adhesions

Physical Description: White or yellow, amorph. powder

Development Status: Approved for clinical use in the European Union (1999)

Solubility: Insol. EtOH, Et₂O; sol. in boiling water to give a gummy soln.

Aldrich: 26075-4

Fluka: 31400

Sigma: D2006

>>Derivative: Mixt. with iron(III) hydroxide

Synonym(s): Dextriferron, BAN, INN. Astrafer. Haemigron

CAS Registry Number: 8063-26-1

Use/Importance: Used in the treatment of iron-deficiency anaemia

References:

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