α-AMYLASE from *BACILLUS SUBTILIS*

Prepared at the 41st JECFA (1993), published in FNP 52 Add 2 (1993) superseding specifications prepared at the 37th JECFA (1990), published in FNP 52 (1992). An ADI 'not specified' was established at the 37th JECFA (1990)

SYNONYMS Glycogenase; INS No. 1100

SOURCES Produced extracellularly by the controlled fermentation of *Bacillus subtilis*

Active principles: alpha-Amylase

Systematic names and numbers: 1,4-alpha-D-Glucan glucanohydrolase - EC 3.2.1.1

Reactions catalyzed: Endohydrolysis of 1,4-alpha-D-glucosidic linkages in polysaccharides containing three or more 1,4-alpha-linked D-glucose units

DESCRIPTION Typically brown liquids, granules or powders

FUNCTIONAL USES Enzyme preparation
Used in starch hydrolysis

GENERAL SPECIFICATIONS Must conform to the *General Specifications for Enzyme Preparations used in Food Processing* (See Volume Introduction)

CHARACTERISTICS

IDENTIFICATION

alpha-Amylase activity (Vol. 4): The sample shows bacterial alpha-amylase activity