

## **$\alpha$ -AMYLASE from *BACILLUS STEAROTHERMOPHILUS***

*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)*

<b>SYNONYMS</b>	Glycogenase; INS No. 1100
<b>SOURCES</b>	Produced extracellularly by the controlled fermentation of <i>Bacillus stearothermophilus</i>
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
<b>DESCRIPTION</b>	Typically tan to dark brown liquids
<b>FUNCTIONAL USES</b>	Enzyme preparation Used in starch hydrolysis
<b>GENERAL SPECIFICATIONS</b>	Must conform to the <i>General Specifications for Enzyme Preparations used in Food Processing</i> (See Volume Introduction)
<b>CHARACTERISTICS</b>	
IDENTIFICATION	
<u>alpha-Amylase activity</u>	The sample shows bacterial alpha-amylase activity