

# Food enzyme $\alpha$ -amylase

## 1 General information

**Submitter** Genencor International B.V.

**Commission ID** [EFSA-Q-2024-00067](#)

## 2 Source

**Organism** [Bacillus licheniformis](#)

**GMM** Yes

**Strain** DP-Dzb106

## 3 EFSA Applications

- **Enzyme protein** [Alpha-amylase](#), **cDNA sequence** Not available, **Mass** Not available, **Chemical parameters** /, **Question number** EFSA-Q-2024-00067, **EFSA Status** Finished, **Safety evaluation** [Safety evaluation of the food enzyme  \$\alpha\$ -amylase from the genetically modified Bacillus licheniformis strain DP-Dzb106](#)

## 4 Manufacturing

**Production** Fermentation

## 5 Industrial activity

**Intended food use**

- Beer and cereal based beverages
- Cereal based distilled alcoholic beverages



**Exposure level** Chronic exposure to the food enzyme–TOS was calculated using the FEIM webtool by combining the maximum recommended use level with individual consumption data (EFSA CEP Panel, 2021). The estimation involved selection of relevant food categories and application of technical conversion factors (EFSA CEP Panel, 2023).

**Intended use level** 454.5 mg TOS/kg RM

**Usage details** The food enzyme is intended to be used in three food manufacturing processes: Processing of cereals and other grains (Production of brewed products, Production of glucose syrups and other starch hydrolysates, Production of distilled alcohol)