



Food enzyme glucan 1,4- α -glucosidase

1 General information

Submitter Amano Enzyme Inc.

Commission ID [EFSA-Q-2023-00223](#)

2 Source

Organism [Aspergillus niger](#)

GMM No

Strain AE-GN

3 EFSA Applications

- **Enzyme protein** [Glucan 1,4-alpha-glucosidase](#), **cDNA sequence** Not available, **Mass** Not available, **Chemical parameters** /, **Question number** [EFSA-Q-2023-00223](#), **EFSA Status** Finished, **Safety evaluation** [Safety evaluation of the food enzyme glucan 1,4- \$\alpha\$ -glucosidase from the non-genetically modified Aspergillus niger strain AE-GN](#)

4 Manufacturing

Production Fermentation

5 Industrial activity

Intended food use

- Coffee processing
- Fruit and vegetable processing
- Tea processing



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

Intended use level 69.2 mg TOS/kg RM

Usage details The food enzyme is intended to be used in 13 food manufacturing processes: Processing of fruits and vegetables (Production of juices, Production of fruit and vegetable products other than juices, Production of alcoholic beverages other than grape wine), Processing of plant-and fungal-derived products (Production of coffee extracts, Production of tea and other herbal and fruit infusions, Production of plant extracts, Production of plant-based analogues of milk and milk products)