Food enzyme glucan 1,4-α-glucosidase

1 General information

Submitter Suntaq International Limited
Commission ID EFSA-Q-2023-00228

2 Source

Organism Aspergillus niger
GMM No
Strain AN-SHGA-100

3 EFSA Applications

- **Enzyme protein** Glucan 1,4-alpha-glucosidase, **cDNA sequence** **Not available**, **Mass** **Not available**, **Chemical parameters** /, **Question number** EFSA-Q-2023-00228, **EFSA Status** Finished, **Safety evaluation** Safety evaluation of the food enzyme glucan 1,4-α-glucosidase from the non-genetically modified Aspergillus niger strain AN-SHGA-100

4 Manufacturing

Production Fermentation

5 Industrial activity

Intended food use

- Bakery and cereal based products
- Beer and cereal based beverages
- Cereal processing

- Fruit and vegetable processing

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 268.0 mg TOS/kg RM
Usage details The food enzyme is intended to be used in seven food manufacturing processes : Processing of cereals and other grains (Production of baked products, Production of brewed products, Production of glucose syrups and other starch hydrolysates, Production of distilled alcohol), Processing of fruit and vegetables (Production of juices, Production of fruit and vegetable products other than juices), Processing of plant-and fungal-derived products (Production of plant-based analogues of milk and milk products)