Food enzyme endo-1,3(4)-β-glucanase

1 General information

Submitter   Shin Nihon Chemical Co., Ltd
Commission ID   EFSA-Q-2023-00295

2 Source

Organism   Trichoderma reesei
GMM   No
Strain   TG-M5-337

3 EFSA Applications

- **Enzyme protein**   Endo-1,3(4)-β-glucanase, **cDNA sequence**   Not available, **Mass Not available**, **Chemical parameters**   /, **Question number**   EFSA-Q-2023-00295, **EFSA Status**   Finished, **Safety evaluation**   Safety evaluation of the food enzyme endo-1,3(4)-β-glucanase from the non-genetically modified Trichoderma reesei strain TG-M5-337

4 Manufacturing

Production   Fermentation

5 Industrial activity

Intended food use

- 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 together with the information provided in Appendix C.

Intended use level 29.0   mg TOS/kg RM

Usage details The food enzyme is intended to be used in 11 food manufacturing processes: Processing of cereals and other grains (Production of starch and gluten fractions, Production of baked products, Production of cereal-based products other than baked, Production of brewed products, Production of distilled alcohol), Processing of fruits and vegetables (Production of juices, Production of fruit and vegetable products other than juices, Production of wine and wine vinegar, Production of distilled alcoholic beverages), Processing of plant- and fungal-derived products (Production of plant extracts, Processing of yeast and yeast products)