

Food enzyme Glucose oxidase

1 General information

Submitter Shin Nihon Chemical Co., Ltd
Commission ID [2015/121](#)

2 Source

Organism [Penicillium rubens](#)
GMM No
Strain PGO 19-162

3 EFSA Applications

- **Enzyme protein** [Glucose oxidase](#), **cDNA sequence** Not available, **Mass** Not available, **Chemical parameters** / , **Question number** EFSA-Q-2016-00533, **EFSA Status** Finished, **Safety evaluation** [Safety evaluation of the food enzyme glucose oxidase from the non-genetically modified Penicillium rubens strain PGO 19-162](#)

4 Manufacturing

Production Fermentation

5 Industrial activity

Intended food use

- Bakery and cereal based products
- Beer and cereal based beverages
- Egg 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 selection of relevant food categories and application of technical conversion factors (EFSA CEP Panel, 2023).

Intended use level 4.8 mg TOS/kg RM

Usage details The food enzyme is intended to be used in five food manufacturing processes: Processing of eggs and egg products, Processing of cereals and other grains (Production of baked products, Production of cereal-based products other than baked), Processing of plant- and fungal-derived products (Production of coffee extracts, Production of tea and other herbal and fruit infusions)