



# Food enzyme Protein-glutamine glutaminase

## 1 General information

**Submitter** Amano Enzyme Inc.

**Commission ID** [2015/97](#)

## 2 Source

**Organism** [Chryseobacterium proteolyticum](#)

**GMM** No

**Strain** AE-PG

## 3 EFSA Applications

- **Enzyme protein** [Protein-glutamine glutaminase](#), **cDNA sequence** Not available, **Mass** Not available, **Chemical parameters** /, **Question number** EFSA-Q-2015-00695, **EFSA Status** Finished, **Safety evaluation** [Safety evaluation of the food enzyme protein-glutamine glutaminase from the non-genetically modified Chryseobacterium proteolyticum strain AE-PG](#)

## 4 Manufacturing

**Production** Fermentation

## 5 Industrial activity

**Intended food use**

- Bakery and cereal based products
- Dairy processing (whey processing)
- Grain processing



Protein processing

- Yeast 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** 13.1 mg TOS/kg RM

**Usage details** The food enzyme is intended to be used in three food manufacturing processes: Processing of dairy products (Production of cheese, Production of fermented dairy products), Processing of plant-and fungal-derived products (Production of plant-based analogues of milk and milk products)