



# Food enzyme cellulase

## 1 General information

Submitter AB Enzymes GmbH  
Commission ID [EFSA-Q-2023-00422](#)

## 2 Source

Organism [Trichoderma reesei](#)  
GMM Yes  
Strain AR-715

## 3 EFSA Applications

- Enzyme protein [Cellulase](#), cDNA sequence Not available, Mass Not available, Chemical parameters /, Question number [EFSA-Q-2023-00422](#), EFSA Status Finished, Safety evaluation [Safety evaluation of the food enzyme cellulase from the genetically modified Trichoderma reesei strain AR-715](#)

## 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 the selection of relevant food categories and the application of technical conversion factors (EFSA CEP Panel, 2023).

**Intended use level** 15.0 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 starch and gluten fractions, Production of brewed products, Production of distilled alcohol), Processing of fruits and vegetables (Production of distilled alcoholic beverages), Processing of plant-and fungal-derived products (Production of edible oils from plant and algae, Production of coffee extracts, Production of plant extracts)