



Food enzyme amidase

1 General information

Submitter c-Lecta GmbH

Commission ID [EFSA-Q-2024-00307](#)

2 Source

Organism [Escherichia coli](#)

GMM Yes

Strain SP-a

3 EFSA Applications

- **Enzyme protein** [amidase](#), **cDNA sequence** Not available, **Mass** 54.00 kDa, **Chemical parameters** /, **Question number** [EFSA-Q-2024-00307](#), **EFSA Status** Finished, **Safety evaluation** [Safety evaluation of the food enzyme amidase from the genetically modified Escherichia coli strain SP-a](#)

4 Manufacturing

Production Fermentation

5 Industrial activity

Intended food use

- Food 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 221.9 mg TOS/kg RM

Usage details The food enzyme is intended to be used for the hydrolysis of acrylamide in foods (Coffee extracts, Coffee substitutes (chicory extracts))

