



# Food enzyme asparaginase

#### 1 General information

Submitter Renaissance BioScience Corporation Commission ID EFSA-Q-2024-00076

#### 2 Source

Organism Saccharomyces cerevisiae GMM No Strain ARY-2

## 3 EFSA Applications

Enzyme protein Asparaginase, cDNA sequence Not available, Mass Not available, Chemical parameters /, Question number EFSA-Q-2024-00076, EFSA Status Finished, Safety evaluation Safety evaluation of the food enzyme asparaginase from the non-genetically modified Saccharomyces cerevisiae strain ARY-2

## 4 Manufacturing

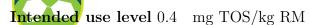
**Production** Fermentation

### 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 0.4 mg TOS/kg RM

Usage details The food enzyme is intended to be used to reduce acrylamide formation during food processing at high temperature and low moisture conditions by hydrolysing asparagine.