

Food enzyme triacylglycerol lipase

1 General information

Submitter Chr. Hansen

Commission ID [EFSA-Q-2024-00083](#)

2 Source

Organism [Komagatella phaffii](#)

GMM Yes

Strain DSM 34125

3 EFSA Applications

- **Enzyme protein** [Triacylglycerol lipase](#), **cDNA sequence** Not available, **Mass** 38.80 kDa, **Chemical parameters** 349 amino acids , **Question number** EFSA-Q-2024-00083, **EFSA Status** Finished, **Safety evaluation** [Safety evaluation of the food enzyme triacylglycerol lipase from the genetically modified Komagataella phaffii strain DSM 34125](#)

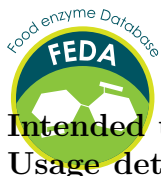
4 Manufacturing

Production Fermentation

5 Industrial activity

Intended food use

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) and input data provided in Appendix C.



Intended use level 95.1 mg TOS/kg RM

Usage details The food enzyme is intended to be used in four food manufacturing processes : Processing of dairy products (Production of cheese, Production of flavouring preparations from dairy products), Processing of plant-and fungal-derived products (Production of plant-based analogues of milk and milk products) Processing of fats and oils (Production of margarine)

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