



Food enzyme Phospholipase D

1 General information

Submitter Nagase ChemteX

Commission ID [2015/143](#)

2 Source

Organism [Streptomyces violaceoruber](#)

GMM Yes

Strain pPDN

3 EFSA Applications

- Enzyme protein [Phospholipase D](#), cDNA sequence Not available, Mass Not available, Chemical parameters /, Question number [EFSA-Q-2016-00206](#), EFSA Status Finished, Safety evaluation [Safety evaluation of the food enzyme phospholipase D from the genetically modified Streptomyces violaceoruber strain pPDN](#)

4 Manufacturing

Production Fermentation

5 Industrial activity

Intended food use

- Production of modified lecithin
- Protein 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 800.0 mg TOS/kg RM

Usage details The food enzyme is intended to be used in two food manufacturing processes: Processing of meat and fish products (Production of modified meat and fish products (meat only)), Processing of fats and oils (Production of modified lecithin)