Rape seed protein – a novel food ingredient

DANISH TECHNOLOGICAL INSTITUTE

Project aim

To demonstrate how to bring a novel food ingredient from the laboratory to the market

Results

Is rape seed protein *novel food*? Yes! It has not been consumed before May 15th, 2007 in EU.

Applying for a novel food approval requires that the product has been upscaled since you cannot alter the purification process after approval.

During the project period (Jan 2013-Dec 2014) rape seed protein was approved as a novel food by another company.

This can simplify the application process for other applicants.

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GOAL:
1) To investigate if rape seed protein is a novel food 2) If yes, to find out what is required in the application for approval 3) Determine some of the required properties as amino acid sequence.

WHY:
1) Rape seed protein is an unexploited source of food protein 2) The amino acid composition are very similar to conventional proteins, thus the protein have good functional properties.

HOW:
1) address the requirements needed for approval of novel food ingredients
2) extracting and purifying the rape seed protein
3) Analysing rape seed protein according to requirements needed.

WHO:
Maria Barmar Larsen, Danish Technological Institute (Project leader)
Marianne Hjøllund Madsen, Triple A
Allan Lihme, Upfront Chromatography
Helle Buchardt Boyd, DHI

OUTCOME:

- During the project period rape seed protein have been approved as a Novel Food in EU by another company.
- The participating companies have been prepared for the application process.
- The results have been presented in different forums.

BUDGET:
660.000 DKr

FUNDING BODY: InSPIRe demoproject

PROJECT PERIOD: Jan. 2013- Dec. 2014

RELATED TO THE INSPIRE PROJECT:

Pillar III: Improved Food Quality by Controlling Molecular Functionality