









Production of pharmaceutical ingredients from existing product streams



Project: CS-10-20

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Partners: FeyeCon, Sensus (Royal Cosun), Avebe, NL GUTS

Budget: 67 k€

Objective:

Preparation of pharmaceutically attractive ingredients from inulin (and related) production streams.

Motivation:

Improving profitability and resource efficiency of the inulin production process and related food ingredient production processes.

Project scope:

Isolation and purification of active pharmaceutical ingredients from existing by-product streams (1).

Prepare pharma grade inulin product from food grade starting material (2).

Applicability:

FeyeCon's sustainable technologies based on carbon dioxide (CO₂) are applied in a wide variety of industries, such as pharma, food, and cosmetics.

Advantages:

- Fast and flexible processing steps
- Clean and solvent-free end products
- High production yields
- Straightforward upscaling
- Non-polluting / less waste

Results:

Sensus

- Stream 1 bio-active compounds cannot be extracted
- Stream 2 bio-active compounds extracted successfully seems economically feasible

Avebe

• Extraction results promising



