

Patent-licensed process for transforming carob seed germ into a high-protein food - available for licensing and technical cooperation

Summary

Profile type

Technology offer

Company's country

Spain

POD reference

TOES20250929020

Profile status

PUBLISHED

Type of partnership

**Research and development
cooperation agreement****Commercial agreement with
technical assistance**

Targeted countries

• World

Contact Person

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Term of validity

**2 Oct 2025
2 Oct 2026**

Last update

2 Oct 2025

General Information

Short summary

A company from Mallorca (Spain) offers a license for a patented process that transforms carob seed germ into Manduca®, a clean-label, high-protein food ingredient with over 60% protein content. The company is looking for food producers, agricultural cooperatives, or carob processors interested in diversifying their activities through this scalable and sustainable innovation.

Full description

Manduca® is a plant-based protein ingredient produced through a patented transformation process of carob seed germ. The final product is free from additives, allergens, and gluten, with a complete amino acid profile and over 60% protein content.

The technology provides a unique opportunity to add high value to an underutilized byproduct of the carob industry. The production method is clean, solvent-free, and environmentally friendly, making it especially attractive for carob-producing regions seeking to enter the plant-based protein market.

The company offers licensing opportunities and technical support for local producers who wish to integrate this process into their facilities. The process is already operational at commercial scale and ready for transfer.

Advantages and innovations

- Patented, simple, and scalable transformation process
- Converts a low-value byproduct into a premium, clean-label protein
- No chemical solvents or additives involved
- High sustainability and low environmental impact
- Opens market access to the growing plant-protein sector

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

IPR granted

IPR Notes

Know-how available for immediate technology transfer

Sustainable Development goals

- **Goal 12: Responsible Consumption and Production**

Partner Sought

Expected role of the partner

Carob producers and processors, agri-food companies, agricultural cooperatives with industrial capacity that:

- Acquire the license
- Implement the production process locally
- Receive initial technical support from Manduca to set up operations

Type of partnership

Type and size of the partner

Commercial agreement with technical assistance

- **Big company**
- **SME 11-49**
- **Other**
- **SME 50 - 249**

Technology keywords

- 08001004 - Food Processing
- 08001005 - Food Technology

Targeted countries

- **World**

Market keywords

- **07003002 - Health food**

Sector groups involved

Images



Front view of the 250g Manduca package



Nutritional composition (back of the package)





[Raw product appearance](#)