Altex by ainia

SUPERCRITICAL CO_2 EXTRACTION SERVICES



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CERTIFIED:

GREEN AND SUSTAINABLE TECHNOLOGY



It's a **green & sustainable technology** for obtention of your **organic products** where extraction happens without contact with the oxygen and can be done at low temperatures, preserving the natural compounds.

Only CO_2 is used for the extraction of the lipidic compounds. After extraction, **CO_2 becomes a gas** and no solvent traces are in the products.

How can we help you?

Altex is AINIA's supercritical CO_2 industrial plant and provides extraction and purification services (toll processing).



High pressure CO_2 services: extraction, purification, defatting.

- Processing services adapted to customer requirements. BIO/ORGANIC & GMP certified.
- From trials to toll manufacturing agreements.
- All previous steps available: Feasibility tests, pilot tests available, process development studies, scale up trials.
- Quality assurance. Analytical lab.

NATURAL CO_2 EXTRACTION SERVICES

ORGANIC CO2 EXTRACTION

We offer you **tolling services** to extract the **value lipidic substances** contained in natural products and obtain your own specific **high quality extracts** for food, food supplements, nutraceutical and cosmetic markets.
Some examples of extracts that can be obtained with our processing services are:

- **Natural oils and butters:** rosehip, grape seed, wheat germ, rice bran, blackcurrant
- **Seedoils**, **cocoa butter**, ...
- **Fragances & flavours:** cardamom, ginger, patchouli...
- **High quality ingredients extracted from the nature:** Seeds, Berries, Plants: leaves, flowers, roots, Nuts, algae and microalgae.





DEFATTING

CO_2 can remove the lipidic content from natural materials reaching **almost complete fat removal without using organic solvents**. With our **tolling services**, structure of the materials can be preserved.
So obtained defatted products can be used as high protein content ingredients for diet and sport foods, snacks and new alternative protein meals in applications like:

- Increased protein content.
- Plant based ingredients.
- New vegan proteins.
- Diet & healthy foods.

OTHER PROCESSES

- Unpleasant taste / odor removal.
- Solvent traces / Pesticides removal.
- Microbiological concentration reduction.