


Macauba

Obtaining of macauba pulp oil by aqueous
extraction enzyme assisted process

Photo: Vivian Chies



Embrapa
Agroenergy



Obtaining of macauba pulp oil by aqueous extraction enzyme assisted process

Raw material

Fresh macauba pulp

Process

Aqueous oil extraction
assisted by enzymes

End product

Macauba crude oil

Process of extraction of oil from macauba pulp from fresh fruits, using commercial enzymatic cocktails. The technology consists in extracting oil from macauba pulp using water and enzymes that increase the efficiency of the process without compromising the quality of the oil.

Applications

- + Biofuels, oleochemical, food, personal care, cosmetics, and feed industries.
- + Oilseed processing companies.
- + Agricultural cooperatives.

Advantages

- + Clean process with low environmental impact.
- + High extraction efficiency allied to high oil quality.
- + Eliminate drying of the fruits: reduction of energy consumption, time, and labor.
- + Residual biomass with low lipid content.

Stage ► TRL/MRL 4 - Lab scale

Take this
technology
to another
stage



Research
with us
for other
potential
uses



Make this
technology
the basis
of your
incubated
company

Person in charge: **SIMONE PALMA FAVARO**

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