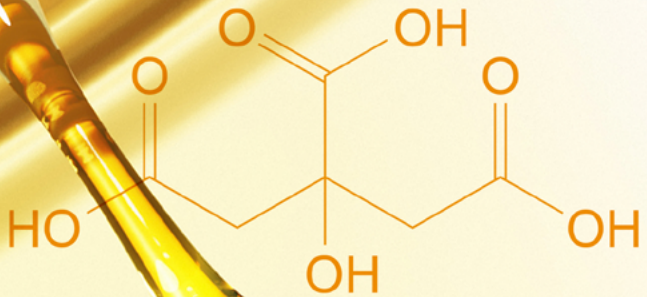


Citric acid

Production of citric acid from glycerin



Embrapa
Agroenergy

Production of citric acid from glycerin

Raw material

Glycerin

Process

Fermentative

End Product

Citric acid

Bioprocess for the production of citric acid using filamentous fungi strains selected from the Brazilian biodiversity. The raw material used is glycerin (crude glycerol), a co-product from the biodiesel industry. However, other raw materials can also be used in the citric acid production process.

Applications

- + Food Industry (flavor enhancer, growth inhibitor, acidifier, antioxidant, emulsifier for beverages and others).
- + Pharmaceutical, cosmetics and personal care industry (anticoagulant, moisturizer, emollient, effervescent and others).

Advantages

- + Value addition to the biodiesel chain.
- + Simple adjustments in existing industrial facilities to use this strain in the production of citric acid.
- + Alternative process and raw material for citric acid production.

Stage ► TRL/MRL 3 - Lab scale

Take this technology to another stage



Research with us for other potential uses



Make this technology the basis of your incubated company

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