# Malt bagasse

Alkaline pretreatment and enzymatic hydrolysis to release glucose from malt bagasse





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Alkaline pretreatment process followed by enzymatic hydrolysis for release of glucose from malt bagasse. The alkaline pretreatment promotes biomass delignification, exposing the cellulose fibers, making them accessible to enzymatic action. A maximum conversion of cellulose into glucose (74%) was achieved when sodium hydroxide was used at a concentration of 4% (w/v).

## Applications

+ Companies in the processing sector - agro-industry.

#### **Advantages**

- + Obtaining cellulose with a high degree of purity.
- + Possibility of using residues from the brewing industry.

### 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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