

Technology: Production of very high titer Pectinase enzyme through solid state fermentation.

Our client is a leading research based enzyme biotechnology company. Their scientific team has developed a very potent strain of *Aspergillus niger* through non-GMO techniques for production of Pectinase enzyme. The Pectinase produced using this strain has one of the highest titers reported for all the three main components of the Pectinase enzyme complex i.e. Polygalacturonase, Pectin lyase & Pectin Methyl Esterase.

The fermentation upstream and downstream process using this strain has been scaled up to commercial production level. The Pectinase enzyme has been very well characterized in terms of individual activities, stability and other properties.

The technology developer company wishes to offer the above technology package for licensing.

The above technology package includes the following.

1. Production strain – *Aspergillus niger* (Non-GMO)
2. Complete upstream and downstream process details.
3. Methods of analysis of in process and final enzyme product that includes methods of testing activities of Polygalacturonase, Pectin lyase and Pectin Methyl Esterase.
4. Detailed production scale data with optimum medium composition and process parameters for Inoculum preparation in submerged fermentation and production fermentation using solid substrate (koji).
5. Stability data of enzyme extract and final product.
6. Enzyme formulation details.
7. Plant and process equipment design details (if required)
8. Technology implementation support upto commercial production scale.

For more information regarding licensing the above technology

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