## Technology: Production of Thermostable Xylanase enzyme through solid state fermentation.

Our client is a leading research based enzyme biotechnology company. Their scientific team has developed a very potent fungal strain through non-GMO techniques for production of thermostable Xylanase enzyme. The Xylanase produced through this strain has good enzyme activity titer and stability. Its optimum temperature is 75 degree C and operation pH range is 3.0 to 7.5.

The fermentation upstream and downstream process using this strain has been scaled up to commercial production level. The 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 (Non-GMO fungi)
2. Complete upstream and downstream process details.
3. Methods of analysis of in process and final enzyme product that includes methods of testing enzyme activities.
4. Detailed production scale data with optimum medium composition and process parameters for submerged & solid state fermentation and downstream processing.
5. Stability data of the enzyme 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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