Technical Data Sheet

Geocon Products
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Mannanase Enzyme

For hydrolyzing Mannan & non-starch polysaccharides

Typical Properties

Galactomannans Activity
Not less than 10,000 u/g

Appearance
Off White to Brown Powder

Salient Features

Hydrolyses main chain β-mannoside bonds in polygalactomannan and polyglucomannan in an endo-type manner.

It Can lower the viscosity of highly viscous polygalactomannan or polyglucomannan solutions, producing more water-soluble oligo-mannans.

Has less enzyme side-activities - including protease, lipase, β-mannosidase, α-galactosidase

Arrow Mannanase Conc. is an enzyme formulation, which has been specifically developed for hydrolysis of non-starch polysaccharides. It is produced through controlled fermentation and strictly according to GMP Guidelines and Quality systems. Galactomannans are present in various plant raw materials, e.g. coffee beans, soya beans, locust beans and guar gum. They can compromise the processing of these raw materials e.g. by increased viscosity during the production. ArrowMannanase Conc can help reducing these viscosity issues and improve processing efficiency.

Activity Profile

Arrow Mannanase Enzyme has an optimum pH range of 2.0-7.0 and working pH range of 3.0 6.0. It has an optimum temperature range between 40 - 75°C working temperature

Dosage

Arrow Mannanase Enzyme is recommended at a level of 10 -100g/ton of raw material.

A solution of Arrow Mannanase in water should be thoroughly and uniformly mixed with raw material. The dosage recommendation given above is for a treatment time of about 2 hours at about 50°C. If, in case, the processing conditions are very different, then an alternate range of dosage should be evaluated.

Available packaging
25 Kg Drum

Shelf life
It is recommended to store under cold conditions. When stored below 25°C, it has a shelf life of about 12 months.

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