



Arteezyme[®] 100GA

Application Data Sheet

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Highly active Glucoamylase for starch processing production.

Description:

Arteezyme[®] 100GA is obtained from *Aspergillus Niger* and is a scarification enzyme producing glucose from hydrolyzed starch. The enzyme is an exo-1,4- α -D-glucosidase and it hydrolyzes the 1,4-linkages starch and, at a lower rate, it also splits the 1,6- α linkage making it an effective enzyme in the processing of starch. The product also contains some acid α -amylase, but has extremely low levels of trans glucosidase.

Purity; regulatory aspects:

The enzyme in Arteezyme[®] 100GA is manufactured to comply with current purity specifications of JECFA (FAO/WHO) and conforms to FCC's recommended specifications for food enzymes. These specifications encompass heavy metals as well as the microbiological characteristics. Arteezyme[®] 100GA is GRAS in the USA.

Utilization:

Arteezyme[®] 100GA with an activity not less than 500 AMG Units per g has shown to best perform when used under the following conditions given below. The product can, upon dilution (5-10 times) with chlorine free tap water, be added directly into the reaction tank during the filling of the tank in order to get a homogeneous mixture.

Application	Dosage level	Recommendation
Starch scarification	Recommendation: use at a dose rate of 400-500 g per ton of cereal.	Application at pH 3.5-5 and temperature 40–64°C. Optimum conditions: pH 4.2–4.6 and temp: 62 °C

The enzyme activity increases with increasing temperature, however, at temperatures above 64°C, the enzyme stability may rapidly decrease.

Packaging and storage:

Arteezyme[®] 100GA is available in 2,5, 10 kg buckets. Arteezyme[®] 100GA is best stored in the original packaging under 25 °C in order to retain maximum activity during storage.

Safety aspects and caution:

Enzyme products need to be handled with care. Please consult the separately available Material Safety Data Sheet for further information

Made by **Arteen Chimi Co.**, Iran

To the best of our knowledge, the information contained herein is accurate and complete. However, nothing herein contained shall be construed to imply any warranty or guarantee.

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