



DELTAZYM® GA MAX L3.6

Product Data Sheet

Date of issue: 29 July 2022

Active Glucoamylase for use in starch processing

Description: DELTAZYM® GA MAX L3.6 is obtained from Aspergillus niger and is a

saccharification enzyme producing glucose from hydrolyzed starch.

DELTAZYM® GA MAX L3.6 hydrolyzes the 1,4-linkages in starch and also the 1,6- α -linkages. DELTAZYM® GA MAX L3.6 also contains some acid α -amylase and protease activities and is specially developed for processing sub-optimally

standardised raw materials.

Properties: Enzyme: glucoamylase IUBMB: 3.2.1.3

Activity: >360 AMG units/g Form: liquid Density: 1.10-1.25 g/ml Colour: brown

Colour and appearance may vary from batch to batch. Colour intensity or turbidity

is not an indication of enzyme activity.

Application: DELTAZYM® GA MAX L3.6 is specially developed for processing sub-optimally

standardised raw materials and is added during the starch saccharification stage, or during Simultaneous Saccharification and alcoholic Fermentation (SSF).

Conditions of use: DELTAZYM® GA MAX L3.6 has shown to best perform when used under the

following conditions:

Application		Dosage	Recommendation
Starch	saccharification	500 - 600 g per ton	Application at pH 4.2 - 5.5
or SSF		of cereal	and temperature 30-60°C
			Optimum conditions:
			pH 4.5 - 5.2 and 40 - 52 °C

GM Status: The product and its constituent enzymes are not genetically modified.

Enzyme proteins are produced by fermentation of classical microorganisms,

which are removed and not present in the final product.

Only agricultural raw materials of non-genetically modified (non-GM) origin are

used for the fermentation process and in the final formulation.

Composition: DELTAZYM® GA MAX L3.6 is stabilised with glycerol and preserved with potassium

sorbate and sodium benzoate.

Packaging and storage: DELTAZYM® GA MAX L3.6 is available in 25 kg polyethylene drums or IBCs. The

product is best stored in the original and unopened packaging under refrigerated conditions (4–8 $^{\circ}$ C) in order to retain maximum activity during storage. Under

optimum conditions shelf life is 24 months.

Safety and caution: Enzyme products need to be handled with care. Please consult the separately

available Safety Data Sheet for further information.





DELTAZYM® GA MAX L3.6

Product Data Sheet

Date of issue: 29 July 2022

Compliance and legal: Our enzyme products are used as processing aids in the food manufacturing

process and are thus free from any labelling provisions in the European Union. The product does not fall within the scope of EU regulations (EC) 1829/2003 and

(EC) 1830/2003 on genetically modified food and feed.

The product is manufactured to comply with recommended purity specifications given by the Joint FAO/WHO Expert Committee on Food Additives (JECFA), and conforms with the recommended specifications of the Food Chemical Codex for

food enzymes.

Purity criteria: Total plate count < 50 000 CFU per g

Yeasts & Moulds < 1 000 CFU per g
Total Coliforms < 30 CFU per g
Salmonella absent in 25 g
Escherichia coli absent in 25 g

 Heavy Metals (as Pb)
 < 30 ppm</td>

 Lead
 < 5 ppm</td>

 Arsenic
 < 3 ppm</td>

 Cadmium
 < 0.5 ppm</td>

 Mercury
 < 0.5 ppm</td>

Special diet information: Kosher: Certified

Halal: Certified

Vegan/Vegetarian: enzyme product or any constituents are not of

animal origin

Certification: WeissBioTech GmbH has a certified quality management system according to

ISO 9001:2015 and a certified Food Safety Management System according to

FSSC 22000 incl. HACCP, which are reviewed in regular audits.

Made by WeissBioTech GmbH, Germany

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.

NATUZYM®, DELTAZYM®, and DELTABREW® are registered trademarks of WeissBioTech GmbH. Our technical advice on the uses of our products is given without obligation. WeissBioTech is not responsible for the application and processing of the products by the customer or any third party. The customer is solely liable to comply with the applicable laws and regulations, and intellectual property rights of third parties.

This document contains product specifications that may be altered without prior notice