



SEBake GA 400

Description:

SEBake GA 400 is Kosher-certified, Halal-certified, non-synthetic and bio-degradable.

Product Properties:

- Form: cream to light brown colored powder
- Active Ingredient: amyloglucosidase
- Declared Activity: 400 AGU/g
- Solubility: readily soluble in water at all concentrations in normal usage

SEBake GA 400 is inactivated during the baking process, typically around 75°C, well below the baking temperatures.

Working Principle:

SEBake GA 400 hydrolyzes alpha-1,4 and alpha-1,6 glucosidic bonds in dextrans. The prolonged action of **SEBake GA 400** produces large amounts of glucose.

Applications & Benefits:

SEBake GA 400 is used as an ingredient in bread improvers and bakery mixes. It helps to produce higher amount of glucose from dextrans, this glucose is utilized by the yeast during fermentation thus improving crust colour, oven spring and crumb structure of the bread.

In the manufacture of bread by short dough method, addition of **SEBake GA 400** in combination with a fungal alpha amylase helps to replace sugar thus producing equally good breads with lower amount of added sugar.

Dosing Recommendations:

SEBake GA 400 is added to the flour at the beginning of the mixing process and is generally used in a dose range of 20 to 100 ppm (on w/w basis of flour quantity). This however is only indicative. Optimum dosage of **SEBake GA 400** is based upon several factors including flour quality and the desired quality of the baked goods. We recommend that bakers carry out bake tests using **SEBake GA 400**, before making any baking recommendations.

Packaging:

SEBake GA 400 is packaged in tightly sealed double polybags in 25 kg cartons.

Storage:

SEBake GA 400 should be stored in a cool, dry place. Storage in unopened containers, at or below 5°C, helps to maintain maximum activity if stored over long periods.

Safety & Handling Precautions:

Enzymes are proteins. Inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes, and mucous membranes upon prolonged contact. Avoid unnecessary contact with the product and inhalation of any aerosols or dust particles. In case of spillage or contact with the eyes or skin, rinse the affected area promptly with plenty of water.

All spills, however minor, should be removed immediately. Use respiratory protection. Major spills should be carefully shoveled into plastic-lined containers. Minor spills and remains of major spills should be removed by vacuum cleaning or flushing with water (avoid splashing). Customers should review Material Safety Data Sheets for detailed advice regarding the safe handling of enzymes.



Enzyme Innovation
13591 Yorba Ave.
Chino, California 91710 USA
Tel: + 1-909-203-4620 Fax: + 1-909-613-1663
Email: adm@enzymeinnovation.com Web: www.enzymeinnovation.com

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