



Declaration for AB Vickers Glucanase Optimum used in beer processing

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Food use

Glucanase Optimum complies with the current recommended purity requirements for food grade enzymes as defined by FCC and JECFA.

The manufacturers have been assessed and approved as part of our approved supplier program within AB Vickers' quality and food safety systems (ISO2200 and ISO9001).

Glucanase Optimum meets the definition of a processing aid in terms its function as a beer filtration aid. Glucanase Optimum is permitted for use as a food additive (and processing aid as defined in certain specific legislation) in the EU, USA, Australia and New Zealand.

All ingredients and packaging used are suitable for food use.

Products supplied are in accordance with The Food safety Act 1990, Regulation EC178/2002 and Regulation EC852/2004.

Food safety

AB Vickers holds ISO9001 and ISO22000 registration certificates.

Procedures include traceability, non-conformance management, supplier approval and recall. Appropriate training and operating procedures are in place.

Ethical and responsible care

Employment is freely chosen. Freedom of association and the right to collective bargaining are respected. Working conditions are safe and hygienic. Child labour is not used. Living wages are paid. Working hours are not excessive. Discrimination is not practiced. Regular employment is provided. No harsh or inhumane treatment is allowed.

Genetic Modification

Glucanase Optimum is produced by fermentation of a non-genetically-modified strain of *Geosmithia Emersonii*.

Food enzymes are not subject to regulations concerning GMO food and feed - EC 1829/2003 and EC 1830/2003.

The enzymes are separated from the production strain after fermentation, purified and stabilized.

Due to the effective separation process, there is no production strain in the end product.

Radioactivity and ionising radiation

Products and raw materials are not subjected to radiation

Origin

Glucanase Optimum originates from Belgium.

Vulnerability

The risk from fraud, substitution etc has been assessed and is not considered significant.

Allergens

The allergens in the table below are not present in the final product

The information in this document has been carefully compiled to the best of our knowledge. Our products are sold subject to the understanding that prospective purchasers will conduct their own evaluations to determine the suitability of the products in their applications. Local food regulations should always be consulted with respect to specific applications and necessary declarations. Legislation may vary from country to country.



Allergen
Cereals containing gluten – wheat, rye, barley, oats, spelt, kamut
Eggs
Crustaceans
Fish
Peanuts
Soybeans
Milk (including lactose).
Nuts – Almond (<i>Amygdalus communis</i> L.), Hazelnut (<i>Corylus avellana</i>), Walnut (<i>Juglans regia</i>), Cashew (<i>Anacardium occidentale</i>), Pecan nut (<i>Carya illinoensis</i> (Wangenh.) K. Koch), Brazil nut (<i>Bertholletia excelsa</i>), Pistachio nut (<i>Pistacia vera</i>), Macadamia nut and Queensland nut (<i>Macadamia ternifolia</i>),
Celery
Mustard
Sesame seeds
Sulphur dioxide and sulphites (>10mg/kg as SO ₂)
Lupin
Molluscs

Animal testing

Not tested on animals

Nanotechnology

Nanotechnology is not used in the production of Glucanase Optimum.

Ingredients of animal origin

None

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VALID FOR 3 YEARS FROM THIS DATE. WILL BE REISSUED FOLLOWING RELEVANT CHANGES IN LEGISLATION

John Wood  **abvickers**

Quality Manager

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