

Comments from the Victorian Department of Health and Human Services and the Victorian Department of Economic Development, Jobs, Transport and Resources.

Due date of submission – 18 August 2017

The Victorian Departments of Health and Human Services and Economic Development, Jobs, Transport and Resources (the departments) welcome the opportunity to respond to this application to amend the Australia New Zealand Food Standards Code (the Code).

The Application A1130 – Triacylglycerol Lipase as a Processing Aid (Enzyme) has been submitted by Amano Enzyme Inc., and seeks permission to use an enzyme (Triacylglycerol Lipase) produced and purified from *Candida cylindracea*.

From the Food Standards Australia New Zealand Assessment report and the documentation provided by Amano Enzyme Inc. it is understood that:

- The purpose of the enzyme is to selectively hydrolyse short and medium chain fatty acids in preference to long chain fatty acids. These reactions produce flavour improvements in the manufacture of bakery products and dairy products and in the processing of fats and oils.
- The enzyme, triacylglycerol lipase is proposed to be sourced from *Candida cylindracea* which is not currently one of the approved sources of the enzyme. The source organism is not genetically modified, but has been obtained from a chemically mutated production strain. This is the first use of *C. cylindracea* to produce triacylglycerol lipase.
- The enzyme is inactivated during processing, and thus meets the requirements of a processing aid under the Code¹.
- There are not any public health or safety concerns associated with the use of triacylglycerol lipase from *C. cylindracea*. *C. cylindracea* has a long history of safe use overseas in the production of lipases for a range of industrial purposes, including use as a food processing aid.
- Triacylglycerol lipase from *C. cylindracea* has been approved for use in Japan and China.

The departments acknowledge that no toxicity or allergenicity concerns were raised by FSANZ in its safety assessment of this Application.

On this basis, the departments support the progression of Application A1130.

¹ 'a substance that is used as a processing aid in relation to a food is a reference to a substance that is used during the course of processing:

- (a) to perform a technological purpose in the course of processing; and
- (b) does not perform a technological purpose in the food for sale '