



This is provisional English translation of an excerpt from the original full report.

Safety Assessment Report

Sodium L-glutamate produced using GLU-No.8 strain

(Genetically Modified Foods and Feeds)

Food Safety Commission of Japan (FSCJ)

March 2016

ABSTRACT

FSCJ conducted a safety assessment of sodium L-glutamate produced using GLU-No.8 strain, based on the documents submitted by the applicant.

The GLU-No.8 strain was newly generated through introduction of genes involved in L-glutamate synthesis and modification of the promoter sequences into GLU-No.3 strain to enhance the L-glutamate productivity. GLU-No.3 strain used was a product derived from a mutant strain derived from *Pantoea ananatis* No.359 and its safety has been previously confirmed. Distinct genes involved in L-glutamate synthesis were also deleted to generate the GLU-No.8 strain.

This additive meets the content specification of Japanese Standards of Food Additives. Amounts of non-active ingredients detected were less compared to the corresponding conventional L-glutamate products. In addition, no new harmful ingredients are expected in the additive from the analysis.

GLU-No.3 was evaluated based on the “Stance on Safety Assessments of Additives Produced Using Generically Modified Microorganisms, whose End Product is regarded as a Highly Purified Nonprotein Additive, such as Amino Acids¹” (Supplementary Provisions of “Standards for Safety Assessments of Food Additives produced Using Genetically Modified Microorganisms²”). Consequently, the safety of the additive has been confirmed from the documents

In conclusion, the assessment based on the “Standards for Safety Assessments of Food Additives produced Using Genetically Modified Microorganisms” is not necessary for this additive.

¹ Decision of the Commission dated April 28, 2005

² Decision of the Commission dated March 25, 2004