



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

Safety Assessment Report

Glutamyl-valyl-glycine produced using EVG-L1 and EVG-G1 strains (Genetically Modified Food)

Food Safety Commission of Japan (FSCJ)
January 2021

ABSTRACT

The FSCJ conducted a safety assessment of a food additive, glutamyl-valyl-glycine produced using EVG-L1 and EVG-G1 strains, based on the documents submitted by the applicant.

This additive is glutamyl-valyl-glycine produced using EVG-L1 and EVG-G1 strains. EVG-G1 strain was generated through the introduction of the enzyme gene into mutant strain derived from *Corynebacterium glutamicum*. This gene produces a compound of raw material. EVG-L1 strain was generated through the introduction of the enzyme gene into mutant strain derived from *Escherichia coli* K-12 strain. This gene condensates other compounds with the one produced by EVG-L1 strain.

This additive satisfies the content specification of “Specifications and Standards for Food, Food Additives, etc. (Ordinance of the Ministry of Health and Welfare Notification No.370. December 28, 1959)”. The content of existing non-active substance did not increase to the point to discuss the safety issue, compared to the conventionally produced glutamyl-valyl-glycine. In addition, it is thought that new non-active hazardous substance is not included in this additive.

Given the above, the FSCJ ensured the safety of this additive in line with “Stance on Safety Assessments of Additives Produced Using Generically Modified Microorganisms, whose End Product is a Highly Purified Nonprotein Additive, such as Amino Acids”¹.

The FSCJ concluded that the assessment based on “Standards for Safety Assessments of Food Additives produced Using Genetically Modified Microorganisms”² would not be necessary for this additive.

¹ Decision of the FSCJ dated April 28, 2005

² Decision of the FSCJ dated March 25, 2004