

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

Safety Assessment Report

Glutamyl-valyl-glycine produced using DP-No.2 strain and GG-No.1 strain (Genetically modified food)

Food Safety Commission of Japan (FSCJ)

July 2015

ABSTRACT

FSCJ conducted a risk assessment of glutamyl-valyl-glycine produced using DP-No.2 strain and GG-No.1 strain, based on the documents submitted by the applicant.

This additive is glutamyl-valyl-glycine produced from DP-No.2 strain and GG-No.1 strain. The DP-No.2 strain is a mutated mutant strain derived from *Escherichia Coli* K-12 transfected with the gene of condensing enzyme for source amino acids. The GG-No.1 is a mutant strain derived from *Escherichia Coli* K-12 transfected with genes of enzymes mediating condensation of amino acid and intermediate product of DP-No.2.

This additive meets the content specification of the food additives. Amounts of non-active ingredients were less compared to the corresponding conventional glutamyl-valyl-glycine products. In addition, no new harmful ingredients are suggested in the additive.

The documents was evaluated based on the “Stance on Safety Assessments of Additives Produced Using Genetically Modified Microorganisms, whose End Product is 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.

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