

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

Safety Assessment Report

Aspartame produced using DP-No.2 strain (Genetically modified food)

Food Safety Commission of Japan (FSCJ)
December 2015

ABSTRACT

FSCJ conducted a risk assessment of aspartame produced using DP-No.2 strain, based on the applicant documents submitted.

This additive is aspartame produced using the DP-No.2 strain, which is a mutant strain derived from *Escherichia Coli* K-12 and produced by an introduction of the gene of condensing enzyme for amino acid-related source chemicals and promoter genes to enhance the productivity of aspartame.

This additive meets the content specification of Japanese Standards of Food Additives. Amounts of non-active ingredients were less compared to the corresponding conventional aspartame products. In addition, no new harmful ingredients are found 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