



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

Safety Assessment Report

Chitinase produced by pCHC strain

(Genetically Modified Foods and Feeds)

Food Safety Commission of Japan (FSCJ)
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ABSTRACT

FSCJ conducted a safety assessment of chitinase produced by pCHC strain, based on the documents submitted by the applicant.

This additive is a chitinase produced using pCHC strain, which is generated through the introduction of a gene for chitinase originated from *Streptomyces griseus* NBRC 13350 strain into *Streptomyces violaceoruber* 1326 strain as the host.

Gene exchanges are considered to occur naturally among *S. violaceoruber*, *S. cinnamomeus*, *S. azureus* and *S. griseus*, suggesting that living cells with a genotypic composition equivalent to that of pCHC strain are likely to exist in nature.

This additive has been produced using a microorganism corresponding to the case “where a living cell which has genotypic composition equivalent to the relevant recombinant exist in nature”, specified in Chapter 1 General Provisions, Section 3 “Scope and Objective” of “Standards for the Safety Assessment of Food Additives Produced Using Genetically Modified Microorganisms (Decision of the Commission Dated 25 March 2004)”. Consequently, this additive is not categorized into the object of the above-mentioned Standards. FSCJ, thus, judged that safety assessment is not necessary for this additive.