



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

## Safety Assessment Report

### Glyphosate herbicide tolerant canola line containing event DP-073496-4

(Genetically Modified Foods and Feeds)

Food Safety Commission of Japan (FSCJ)

November 2014

#### ABSTRACT

FSCJ conducted a safety assessment of a glyphosate herbicide tolerant canola line, DP-073496-4, based on the documents submitted by the applicant.

This line, generated through the introduction of a modified N-acetyltransferase gene derived from *Bacillus licheniformis*, results in the expression of the N-acetyltransferase in the host line, to be tolerant to glyphosate herbicide.

The documents, evaluated based on the “Standards for the Safety Assessment of Genetically Modified Foods (Seed Plants)<sup>1</sup>”, included the safety of the inserted gene, toxicity and allergenicity of the protein produced from the inserted gene, post-insertion analysis of the nucleotide sequence, stability of the inserted gene in the successive generations, influences on metabolic pathways in the plants, comparative characterization of nutrients and toxic ingredients in the plants and others. Consequently, newly produced adverse effects on humans derived from this canola line are unlikely based on the comparison between this line and the conventional counterpart.

In conclusion, no concern relevant to human health is raised on the glyphosate herbicide tolerant canola line containing event DP-073496-4.

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<sup>1</sup> Decision of the Commission dated 29 January 2004.