

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

## **Risk Assessment Report Valeraldehyde (Food Additive)**

Food Safety Commission of Japan (FSCJ)  
March 2008

### **Executive summary**

The Food Safety Commission of Japan (FSCJ) conducted a risk assessment of valeraldehyde [CAS No. 110-62-3], a food additive used as a flavor, using various test results.

The test results used in the assessment are related to the repetitive dose toxicity and genotoxicity.

The substance is unlikely to have toxicity relevant to human health. In addition, FSCJ confirmed that the substance, valeraldehyde, was categorized into structural class I based on the safety assessment method compiled and used in Japan for flavoring agents commonly used in the world and that the safety margin (17,400–170,000) by far exceeds 1,000, which is regarded as the appropriate safety margin for a 90-day repetitive dose toxicity study and the predicted amount of intake (8.83–86.4 µg/person/day) is much lower than the acceptable daily intake of Structure Class I (1,800 µg/person/day).

Thereby FSCJ concluded that there is no safety concern with valeraldehyde when it is used for the purpose of flavoring food.