

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

Risk Assessment Report Monoammonium L-Glutamate (Food Additive)

Food Safety Commission of Japan (FSCJ)
March 2008

Executive summary

The Food Safety Commission of Japan (FSCJ) conducted a risk assessment of monoammonium L-glutamate [CAS No. 7558-63-6 (anhydride)], a food additive used as a flavour enhancer, salt substitute, etc., using various test results.

The test results used for the assessment are related to the repeated-dose toxicity, carcinogenicity, reproductive and developmental toxicity, genotoxicity, etc. of monoammonium L-glutamate and/or other L-glutamates.

Although the results of the toxicity test etc. of monoammonium L-glutamate provided for the assessment were not complete, a comprehensive evaluation of monoammonium L-glutamate was considered possible by using the test data for L-glutamic acid and other L-glutamates which have already been approved for use in Japan.

Toxicological test results of monoammonium L-glutamate, and those of L-glutamic acid and other L-glutamates as well, showed no carcinogenicity, reproductive and developmental toxicity and genotoxicity. In repeated-dose toxicity studies, no particular toxic effect which causes safety concern were noted.

Taken together, there appears to be no safety concern with monoammonium L-glutamate when it is appropriately used as a food additive, and FSCJ thus concluded that no ADI needed to be specified.