

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

Risk Assessment Report

Cashew nut shell liquid (CNSL)

(Feed Additive)

Food Safety Commission of Japan (FSCJ)

June 2024

ABSTRACT

The FSCJ conducted a risk assessment of a feed additive, cashew nut shell liquid (CNSL), referring to the submitted documents for feed additive designation.

CNSL is a feed additive to reduce methane emissions from cow belching. The applicable upper limit of the additive is 0.1%.

The FSCJ assessed anacardic acid in May, 2024 as a primary substance of this formulation. It concluded that this substance would not negatively effect on human health as long as it is normally used as a feed additive.

The FSCJ determined that the effects on human health by the excipients and others contained in this feed additive would be negligible considering their usage and existing assessments, in the case that humans take this feed additive as a contained substance.

In a residue study, this additive was administered to cattle by mixing it into their feed. As a result, CNSL substance was not detected in tissues, milk, and others. Accordingly, the FSCJ assumed that humans would not take CNSL (derived from the feed additive) through food.

From the results of safety and feeding tests in cattle, the FSCJ viewed that there would be no safety issue for the cattle when administering this feed additive to them with the recommended amount.

Given the above, the FSCJ concluded that the probability of affecting human health would be negligible as long as this feed additive is appropriately used.