

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

Risk Assessment Report

Feed additives containing benzoic acid as an active substance (Feed Additives)

Food Safety Commission of Japan (FSCJ)
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ABSTRACT

FSCJ conducted a risk assessment of benzoic acid (CAS No. 65-85-0) based on the documents to request for designating as a feed additive.

As was described in risk assessment report on benzoic acid (Exempted Substances) (Risk assessment report of benzoic acid (Exempted Substances) - FS/371/2021), FSCJ concluded that risks of benzoic acid on human health through remaining in foods are negligible as long as used normally as a feed additive based on the assessment as an exempted substance.

Benzoic acid is rapidly absorbed through the digestive tract after oral administration in mammals, rapidly metabolized to hippuric acid in the liver through glycine conjugation and excreted in the urine.

When benzoic acid is orally administered in a target animal, the residue level is extremely low as 93.3 % or more of the substance was recovered in the urine and stool within 24 hours after administration, and the most of the residue seems to be the metabolite “hippuric acid”.

After feeding this additive, residual concentration of benzoic acid and hippuric acid accumulated in each tissue disappeared rapidly.

Therefore, FSCJ concluded that the dietary administration of this additive into a target animal with the dose recommended in the above documents posed a low-potential risk of accumulation of benzoic acid.

In addition, the safety study and feeding trial of the target animals used this feed additive showed a high tolerance of this feed additive, and any particular adverse effect on was not observed in the animals feed with the recommended dose.

Hence, FSCJ concluded that risks of benzoic acid on human health are negligible as long as used appropriately as a feed additive.