

FINDING OF NO SIGNIFICANT IMPACT

FOR

:  
: Crambe Meal (Heat Toasted) :  
: FAP 2176 :  
: United States Department of Agriculture :  
:

The Bureau of Veterinary Medicine has carefully considered the potential environmental impact of this action and has concluded that the action will not have a significant effect on the human environment and that an environmental impact statement therefore will not be prepared.

We have reviewed the petition and concluded Crambe Meal (Heat Toasted) is exempt from an EIS under 21 CFR 25.1(f)(1)(iv). The reason for our conclusion is:

- a. Crambe Meal is a natural substance.
- b. Crambe Meal is metabolized and the metabolites in the amounts excreted into the environment are naturally occurring in the environment. Crambe Meal contains protein, fat and fiber, all natural nontoxic compounds. In addition, it contains a goitrogen, epi-progoitrin (and derivatives). When Crambe Meal containing 8.9% epi-progoitrin was fed to cattle at the rate of 10% of the diet, no epi-progoitrin nor its metabolites were detected in the stomach or intestinal tract of the cattle. These results in conjunction with the fact that epi-progoitrin is found in rape seed, turnips, cabbage and other vegetables caused us to conclude that the epi-progoitrin metabolites are naturally occurring in the environment.
- c. The use of Crambe Meal at no more than 4.2% of diets for cattle fed in confinements for slaughter can reasonably be expected not to alter significantly the prevalence and/or distribution of Crambe Meal epi-progoitrin or their metabolites in the environment. This conclusion is based on evidence presented in b (above).

Since this is a food additive and the applicant, USDA, will not be marketing the product, no certification for compliance of the manufacturing process in reference to 21 CFR 25.1(g) is required.

2/10/81  
Date

2/13/81  
Date

2/13/81  
Date

[Signature]  
Chief, Metabolic Products Branch, DDRS

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Environmental Impact Coordinator for  
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Chief, Environmental Impact Staff HFV-300