



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

NOV 19 1985

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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Subject: Registration Standard for Captan
Method Trial Request.

From: Francis D. Griffith, Jr., Chemist
Residue Chemistry Branch
Hazard Evaluation Division (TS-769C)

Thru: Charles L. Trichilo, Chief
Residue Chemistry Branch
Hazard Evaluation Division (TS-769C)

To: Donald A. Marlow, Chief
Chemical Operations Branch, BUD (TS-768C)

Francis D. Griffith Jr.
Trichilo

Chevron Chemical Company has tolerances for Captan on cattle meat, fat, and meat by-products at 0.05 ppm.

A method trial is requested for four chemicals on two commodities. Samples should be run in duplicate at the requested fortification levels (see attached table). Two copies of the appropriate method(s) along with recoveries and sample chromatograms, are attached.

Please return the requested information on the attached forms and any other information concerning the method trial that we should be aware of including copies of chromatograms for representative controls, and fortified samples, standard curves and also submit examples of sample calculations.

The analytical reference standard(s) is available at the Repository in RTP, NC. (Telephone No. 919-541-3951)

The Registration Division "projected return date" for this action is N/A. This method trial request is to overcome a deficiency, cited on pg 25 of the Chapter Residue Analytical Methods, Captan Registration Std (9/11/85). The Residue Analytical Methods Chapter is enclosed for your information.

Attachment: (a) Methods (2) send to Kissler
(b) Additional attachment from R.S. (1) send to Kissler

TS-769:RCB Reviewer(FDG):vg:11/12/85:CM#2:Rm708:557-0486:edited:fdg:11/13/85
cc: RF, Circu., M. Bradley, PM 21, K. Kissler, W. Bontoyan, MTO F
RDI:Section Head:R.S.Quick:11/6/85:R. D. Schmitt: 11/7/85

Method: (Report No. and/or Title, date) USE SEPARATE FORM FOR EACH METHOD.

Chevron Chemical Company Method for Determination of Captafol, Captan, THPI, and 3-OH THPI in Tissues and Eggs; and Determination of Captan, THPI, 3-OH THPI, and 5-OH THPI in Milk and Cream. (Nov. 14, 1979 File No. 740.01).

Do not use control values for recovery corrections.

Do not report control values as 0; if less than limit of detection, report as such.

<u>Commodity</u>	<u>Chemical Added</u>	<u>PPM added</u>	<u>PPM found</u>	<u>% Recovery</u>
Liver	Captan	0.05 ppm		
	THPI	0.05 ppm		
	3-OH THPI	0.05 ppm		
	Captan	0.5 ppm		
	THPI	0.5 ppm		
	3-OH THPI	0.5 ppm		
Milk	Captan	0.05 ppm		
	THPI	0.05 ppm		
	3-OH THPI	0.05 ppm		
	5-OH THPI	0.05 ppm		
	Captan	0.5 ppm		
	THPI	0.5 ppm		
	3-OH THPI	0.5 ppm		
	5-OH THPI	0.5 ppm		

Please determine extent of Captafol and Folpet interference with captan determination by running the following recoveries:

Liver	Captan	0.05 ppm
	Phalthan	0.5 ppm
Milk	Captan	0.05 ppm
	Captafol	0.5 ppm

USE SEPARATE FORM FOR EACH METHOD

Page 1 of 1

Modifications to method (major or minor):

Special precautions to be taken:

Source of analytical reference standards:

If derivitized standard used, give source:

Instrumentation for quantitation:

Instrumentation for confirmation:

If instrument parameters differ from method given, list parameters used.

Commercial source for any special chemicals or apparatus:

Comments:

Chromatograms: