



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

R.F.

MAY 17 1991

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Captan. Amended Request for Reregistration Method Validation Trials of Analytical Method No. 166. No CBRS Number; no DP BARCODE.

FROM: Paula A. Deschamp, Biologist
Reregistration Section I
Chemistry Branch II: Reregistration Support
Health Effects Division (H7509C)

THRU: E. Zager, Chief
Chemistry Branch II: Reregistration Support
Health Effects Division (H7509C)

TO: Donald A. Marlow, Chief
Analytical Chemistry Branch
Biological and Economics Analysis Division (H7503C)

In a memo (P. Deschamp, CBRS No. 7679) dated 5/10/91, CBRS requested a reregistration method validation trial on ICI's Analytical Method No. 166, "The Determination of Residues of Tetrahydrophthalimide, 3-Hydroxy Tetrahydro-phthalimide and 5-Hydroxy Tetrahydrophthalimide in Milk and Animal Tissues, a Gas Liquid Chromatographic: Mass-Selective Detector Method Using External Standardization" (MRID 41760601). The request specified fortification of liver and milk samples with captan, THPI, 3-OH-THPI, and 5-OH-THPI each at 0.05 ppm and 0.5 ppm. Since the subject method does not determine residues of captan per se, we have amended Attachment 1 to include only the metabolites THPI, 3-OH-THPI, and 5-OH-THPI.

cc: PADeschamp (CBRS), RF, SF, Captan Reg. Std. File, Circ. (7)

H7509C:CBRS:PAD:pad:CM#2:Rm812D:703-557-4353:04/09/91

TDI: WJBoodee:04/09/91; EZager:04/09/91



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METHOD: Vol. 1, Davy, G.S., "Supplemental [dated 11/8/90] to ICI Agrochemicals Residue **Analytical Method No. 166**, The Determination of Residues of Tetrahydrophthalimide, 3-Hydroxy Tetrahydrophthalimide and 5-Hydroxy Tetrahydrophthalimide in Milk and Animal Tissues, a Gas Liquid Chromatographic: Mass-Selective Detector Method Using External Standardization," ICI Agrochemicals, Jealott's Hill Research Station, Bracknell, Berkshire, England (June 1989). MRID 41760601.

Please: (i) Indicate the limit of detection; (ii) Do not use control values for recovery calculations; and (iii) Do not report control values as zero; if less than the limit of detection, report as such.

Commodity	Chemical Added	PPM added	PPM Found	% Recovery
Liver	THPI	0.05		
	3-OH-THPI	0.05		
	5-OH-THPI	0.05		
	THPI	0.5		
	3-OH-THPI	0.5		
	5-OH-THPI	0.5		
Milk	THPI	0.05		
	3-OH-THPI	0.05		
	5-OH-THPI	0.05		
	THPI	0.5		
	3-OH-THPI	0.5		
	5-OH-THPI	0.5		

Modifications made to method (major or minor):

Special precautions to be taken:

Source of analytical reference standards:

If derivatized standards used, give source:

Instrumentation for confirmation:

If instrumentation parameters differ from the method as written,
list parameters actually used:

Commercial source for any special chemicals for apparatus:

Comments:

Chromatograms: