

US EPA ARCHIVE DOCUMENT

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

26 OCT 1984

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

EXPEDITE

MEMORANDUM

Subject: PP#OF2413/FAP#0H5275 and PP#3F2793/FAP#3H5378. Thiodicarb on Cotton and Soybeans. Method Trial Request.

From: Michael P. Firestone, Ph.D., Chemist
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

Michael P. Firestone

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

C. Trichilo

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

Union Carbide is proposing tolerances for thiodicarb on cottonseed, soybeans, and their processed fractions.

A method trial is requested for two chemicals on three commodities. Samples should be run in duplicate at the requested fortification levels (see attached tables). Two copies of the appropriate methods 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 RCB 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 standards are available at the Repository in RTP, NC. (Telephone No. 919-541-3951)

Dennis Edwards and Herbert Harrison of the Registration Division have indicated that an expedite request for this method trial will soon be forwarded to the Director of the Registration Division for approval (oral communication with J. Onley of RCB 10/25/84). A formal expedite request to HED and BUD from the RD Director is expected in about a week. Therefore, RCB is considering this an expedite request.

Note to Method Trial Unit: Union Carbide has indicated that acetamide may be ubiquitous in animal tissues, milk, and eggs. Please investigate to the extent possible the level of acetamide in control samples including confirmation by GLC-MS.

Attachment

cc: Herbert Harrison, RD; Dennis Edwards, RD; John Melone; Judy Heckman
bcc: RF, Circ., M.P. Firestone, Thompson, FDA, PP#0F2413/FAP#0H5275 and
PP#3F2793/FAP#3H5378, PM 12, K. Kissler, W. Bontoyan, MTO F.
RDI: JHO-10/25/84 RDI: RDS-10/25/84
TS-769:RCB:reviewer:CM#2:Rm800:x77484:

2

Method: Method of Analysis For Acetamide (Metabolite of Thiodicarb) in Poultry Liver - dated August 29, 1984

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>
chicken liver	acetamide	0.0		_____
		0.4		
		1.0		

Method of Analysis For Acetamide in Poultry Liver

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:

4

Method: Method of Analysis For Acetonitrile (Metabolite of Thiodicarb) in Milk -
dated August 20, 1984

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>
milk	acetonitrile	0.0 0.1 1.0		_____

5

Method of Analysis For Acetonitrile in Milk

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:

6

Method: Method of Analysis For Acetonitrile (Metabolite of Thiodicarb) in Egg White - dated August 28, 1984

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>
egg white	acetonitrile	0.0 0.3 0.6		_____

Method of Analysis For Acetonitrile in Egg White

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: