

US EPA ARCHIVE DOCUMENT

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

EXPEDITE

NOV 2 1986

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Subject: PP# 4F3081. Amitraz on Hog Meat, Fat and Meat by Products.
Method Trial Request.

From: Francis D. Griffith, Jr.
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
Benefits and Use Division (TS-768C)

Nor-Am is proposing tolerances for amitraz on hog skin at 0.3 pm.

A method trial is requested for three chemical(s) on one commodity, hog skin. 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 EPA Repository was contacted on 10/16/86 (FTS 629-3951). The standard for amitraz is available. The Repository code is 0195. Since the metabolite standards are not available, Nor Am has been contacted by phone on Sept 29, 1986 requesting a sufficient portion of the standard be forwarded to the Repository and a small portion of the standard also be sent to the EPA lab in Belville.

This MTO is to update existing PAM-II methods with new state of the arts procedures.

The Registration Division "projected return date" for this action was 10/15/86.

The review of this action was expedited by RD. BUD should process this method tryout as soon as possible.

Please forward results of this method trial directly to Francis D. Griffith, Jr.

Attachments: (33p)

2 Copies of Method to D.A. Marlow

TS-769:RCB:Reviewer:FDG:vg:CM#2:Rm708:x557-0486
(Cover Sheet Only)

cc: RF, Circu., M.Bradley, Thompson FDA, PP#4F3081, PM-12, K.Kissler, PMSD/ISB
RDI: Robert S. Quick, 5/16/86 RDI: Robert D. Schmitt, 5/17/86

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

Analytical Method for the Determination of Total Residue Amitraz and its Major Metabolites BTS 27271 and BTS 27919 in Selected Hog Tissues, NOR AM# 12002, July 2, 1986.

Do not use control values for recovery corrections.

Do not report control values as 0; please confirm the limit of detection as 0.005 ppm or determine an acceptable L.D. for both the instrument and the pesticides in the sample matrices.

<u>Commodity</u>	<u>Chemical Added</u>	<u>PPM added</u>	<u>PPM found</u>	<u>% Recovery</u>
Hog Skin	Amitraz	0.3		
	Amitraz formamide metabolite	0.3		
	Amitraz methyl methanimidamide	0.3		
Hog Skin	Amitraz	0.15		
	Amitraz formamide metabolite	0.15		
	Amitraz methyl methanimidamide	0.15		

USE SEPARATE FORM FOR EACH METHOD

Modifications to method (major or minor):

Special precautions to be taken:

Source of analytical reference standards: RTP

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: Due to success with pecans, similar results would be expected.

Chromatograms: See attachments to method.