

**Certificate of Analysis**  
Final Report

**National Institutes of Health**

BLDG 14A, RM 119A8  
14 Service Rd West  
Bethesda Maryland 20892-5515 United States



Testing Cert #2918.01

<b>Client Sample Name:</b>	<b>5045 MONK - 120109 + 0424 + 062210</b>	<b>Covance Sample Number:</b>	<b>564066</b>
<b>Project ID</b>	NAT_INST-20100910-0015	<b>Receipt Date</b>	10-Sep-2010
<b>PO Number</b>	Req# 1790519/Charge - Visa	<b>Receipt Condition</b>	Ambient temperature
		<b>Login Date</b>	10-Sep-2010
		<b>Storage Condition at Covance</b>	-20 (+/- 10) Degrees Celsius
		<b>Number Compositated</b>	1
		<b>Disposal Instructions</b>	Dispose 30 days after final reported

<b>Analysis/Result</b>	<b>Result</b>
<b>Isoflavone *</b>	
Daidzin	528 ppm
Glycitin	87.6 ppm
Genistin	506 ppm
Daidzein	<10.0 ppm
Glycitein	15.3 ppm
Genistein	<10.0 ppm
Total as Glucosides	1150 ppm
<b>Escherichia coli Count *</b>	
Escherichia Coli	<10 CFU/g
<b>Listeria *</b>	
Listeria	Negative /25 g
<b>Salmonella BAM (Rapid method) *</b>	
Salmonella	Negative /25 g
<b>Yeast and Mold Count *</b>	
Yeast Count	<10 CFU/g
Mold Count	15 CFU/g
<b>Organochlorinated Pesticides</b>	
Tecnazene	<12.5 ppb
HCB	<6.5 ppb
Alpha-BHC	<12.5 ppb
Propyzamide	<25.0 ppb
DCNA	<18.5 ppb
PCNB	<10.0 ppb
Gamma-BHC	<12.5 ppb
Beta-BHC	<12.5 ppb
Heptachlor	<12.5 ppb
Chlorothalonil	<12.5 ppb
Delta-BHC	<12.5 ppb
Vinclozolin	<25.0 ppb
Aldrin	<12.5 ppb

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**Analysis/Result**

**Result**

**Organochlorinated Pesticides**

DCPA	<18.5 ppb
Heptachlor Epoxide	<12.5 ppb
Endosulfan I	<12.5 ppb
Dieldrin	<12.5 ppb
Captan	<50.0 ppb
Folpet	<31.5 ppb
p,p' - DDE	<12.5 ppb
Endrin	<18.5 ppb
Oxadiazon	<37.5 ppb
Endosulfan II	<18.5 ppb
p,p' - DDD	<18.5 ppb
p,p' - DDT	<20.0 ppb
Endosulfan Sulfate	<18.5 ppb
Captafol	<31.5 ppb
Dicofol	<31.5 ppb
Mirex	<12.5 ppb
Tetradifon	<18.5 ppb
Methoxychlor	<31.5 ppb
Cis-Permethrin	<21.3 ppb
Cypermethrin	<94.0 ppb
Trans-Permethrin	<41.2 ppb

**Organophosphate Pesticides \***

Vapona	<15.0 ppb
Methamidophos	<15.0 ppb
Mevinphos	<25.0 ppb
Acephate	<40.0 ppb
Omethoate	<35.0 ppb
Thimet	<20.0 ppb
Demeton-S	<25.0 ppb
Fonofos	<25.0 ppb

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Print Date: 21-Sep-2010 3:34 pm

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<b>Project ID</b>	NAT_INST-20100910-0015	<b>Receipt Date</b>	10-Sep-2010
<b>PO Number</b>	Req# 1790519/Charge - Visa	<b>Receipt Condition</b>	Ambient temperature
		<b>Login Date</b>	10-Sep-2010
		<b>Storage Condition at Covance</b>	-20 (+/- 10) Degrees Celsius
		<b>Number Compositied</b>	1
		<b>Disposal Instructions</b>	Dispose 30 days after final reported

**Analysis/Result**

**Result**

**Organophosphate Pesticides \***

Diazinon	<20.0 ppb
Disulfoton	<25.0 ppb
Dimethoate	<20.0 ppb
Propetamphos	<30.0 ppb
Dichlofenthion	<30.0 ppb
Me-Chlorpyrifos	<20.0 ppb
Ronnel	<20.0 ppb
Me-Parathion	<20.0 ppb
Me-Pirimiphos	<25.0 ppb
Et-Chlorpyrifos	<25.0 ppb
Fenitrothion	<25.0 ppb
Malathion	<20.0 ppb
Et-Parathion	<20.0 ppb
Chlorfenvinphos	<40.0 ppb
Methidathion	<30.0 ppb
Prothiophos	<30.0 ppb
Ethion	<20.0 ppb
Trithion	<30.0 ppb
Phosmet	<35.0 ppb
EPN	<40.0 ppb
Azinphos-Methyl	<40.0 ppb
Phosalone	<40.0 ppb
Coumaphos	<50.0 ppb

**Method References**

**Testing Location**

**Escherichia coli Count (COLC:5)**

**Covance Laboratories Inc.**

Compendium of Methods for the Microbiological Examination of Foods, Colony Count Methods, 4th Edition, Chapter 6,7, American Public Health Association: Washington, D.C. (2001). Modified.

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**Method References**

**Testing Location**

**Isoflavone (ASOF\_S:3)**

**Covance Laboratories Inc.**

Official Methods of Analysis of AOAC INTERNATIONAL, (2005) 18th ED., AOAC INTERNATIONAL Gaithersburg, MD, USA, Official Methods 2001.10. (Modified).

**Listeria (LIRM:2)**

**Covance Laboratories Inc.**

1. Bacteriological Analytical Manual, Listeria monocytogenes, 8th Edition, ] Chapter 10, 2003. Food and Drug Administration, AOAC International: Gaithersburg, Maryland. Modified.
2. Compendium of Methods for the Microbiological Examination of Foods, Listeria, 4th Edition, Chapter 36, 2001. American Public Health Association Washington D.C. Modified.
3. Listeria Visual Immunoprecipitate (VIP), AOAC Official Method 997.03. Official Methods of Analysis of the AOAC International, 18th Edition, 2005. Gaithersburg, Maryland. Modified.

**Organochlorinated Pesticides (OPCL\_S:15)**

**Covance Laboratories Inc.**

Hopper, M. L. and Griffitt, K. R., "Evaluation of an Automated Gel Permeation Cleanup and Evaporation Systems for Determining Pesticide Residues in Fatty Samples", Journal of the Association of Official Analytical Chemists, Vol. 70, No. 4, pp. 724-726 (1987) (Modified).

Pesticide Analytical Manual, Volume 1: Multiresidue Methods, 3rd Ed., Chapter 3, "Multiclass Multiresidue Methods: 304 Method for Fatty Foods", Food and Drug Administration, Washington, D.C. (1999) (Modified).

**Organophosphate Pesticides (OPOP\_S:6)**

**Covance Laboratories Inc.**

Hopper, M. L. and Griffitt, K. R., "Evaluation of an Automatic Gel Permeation Cleanup and Evaporation Systems for Determining Pesticide Residues in Fatty Samples", Journal of the Association of Official Analytical Chemists, Vol. 70, No. 4, pp. 724-726 (1987) (Modified).

Pesticide Analytical Manual, Volume 1: Multiresidue Methods, 3rd Ed., Chapter 3, "Multiclass Multiresidue Methods: 304 Method for Fatty Foods", Food and Drug Administration, Washington, D.C. (1999) (Modified).

**Salmonella BAM (Rapid method) (SARM:2)**

**Covance Laboratories Inc.**

1. Bacteriological Analytical Manual, Salmonella, Chapter 5, 8th Edition, 2006. Food and Drug Administration, AOAC International: Gaithersburg, Maryland. Modified.
2. Compendium of Methods for the Microbiological Examination of Foods, Salmonella, Chapter 37, 4th Edition, 2001. American Public Health Association. Washington D.C. Modified.
3. Salmonella in Foods, AOAC Official Method 990.13, DNA hybridization Method. Official Methods of Analysis of the AOAC International, 18th Edition, 2005. Gaithersburg, Maryland. Modified.

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**Method References**

**Testing Location**

**Yeast and Mold Count (YMCM:5)**

**Covance Laboratories Inc.**

1. Bacteriological Analytical Manual, Yeasts, Molds and Mycotoxins. Chapter 18, 8th Edition, 2001. Food and Drug Administration, AOAC International: Gaithersburg, Maryland. Modified.
2. Compendium of Methods for the Microbiological Examination of Foods, Yeasts and Molds, Chapter 20, 4th Edition, 2001. American Public Health Association, Washington D.C. Modified.
3. Yeast and Mold Counts in Foods, AOAC Official Method 997.02. Dry Rehydratable Film Method (Petrifilm). Official Methods of Analysis of the AOAC International, 18th Edition, 2005. Gaithersburg, Maryland. Modified.

**Testing Location(s)**

**Covance Laboratories Inc.**  
3301 Kinsman Blvd  
Madison WI 53704

Released on Behalf of Covance by

**Doug Winters**

Laboratory Director

**For questions on this report, please  
contact your Client Service Representative  
at 608-242-2712 x4170**

**These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Covance.**