



Extraordinary Extracts™

520 White Plains Rd #500
Tarrytown, NY 10591

Toll Free: 888-884-7770

CERTIFICATE OF ANALYSIS

Name of Product: FWGE-SCP (containing 5.2% FWGE-SC® *)
Date of Manufacture: 08-2017
Lot Number: 0817-2
Storage recommendations: store in cool (under 80 F), dry place

*Other Ingredients, microcrystalline cellulose, hypromellose.

Allergen Statement: This product contains wheat and yeast ingredients.

Analysis	Specification	Result	Pass/Fail
ORGANOLEPTIC ANALYSIS			
Color	Light to Dark Brown	Conforms	Pass
Texture	Fine Powder	Conforms	Pass
Odor	Slight vinegar	Conforms	Pass
Taste	Slight vinegar	Conforms	Pass
MICROBIOLOGICAL ANALYSIS			
Moisture	<10%	2.06%	Pass
Aerobic Plate Count	<10,000 CFU/g	<10.0 CFU/g	Pass
E. Coli	Absent/10 g	Absent/10 g	Pass
Salmonella	Absent/10 g	Absent/10 g	Pass
Yeast	<10,000 CFU/g	<10 CFU/g	Pass
Mold	<10,000 CFU/g	<10 CFU/g	Pass
HEAVY METAL ANALYSIS			
Arsenic	<10 µg daily	<0.50 ug/g	Pass
Beryllium	<0.1 µg daily	< 0.030 ug/g	Pass
Cadmium	<4.1 µg daily	< 0.25 ug/g	Pass
Chromium	<8.2 µg daily	< 0.5 ug/g	Pass
Lead	<0.5 µg daily	< 0.060 ug/g	Pass
Mercury	<15 µg daily	< 0.10 ug/g	Pass
ALLERGENIC / OTHER TOXIGENIC ANALYSIS			
Deoxynivalenol	10 ppm	5.8 ppm	Pass
Gluten Allergen	15 ppm	<5.0 ppm	Pass
Ethyl Acetate	<500 ppm	<500 ppm	Pass
Pesticide Reports	<i>Please see Attached (Hard Copy Furnished upon request)</i>		

Calories: 394 Cal/100g
Calories From Fat: 3.21 Cal/100g
Fat (by acid hydrolysis): 0.4 g/100g
Total Carbohydrate: 96.3 g/100g
Protein: 1.24 g/100 g
Ash: <0.100 g/100g

David Wales
Senior GMP Compliance Officer

Date: 115 / 2018

Certificate of Analysis

Extraordinary Extracts, LLC

Sample Name:	FWGE-SCP	Covance Sample:	6509674
Project ID	AMERI_BIO-20170908-0029	Receipt Date	07-Sep-2017
PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size	790 mg	Login Date	08-Sep-2017
Description	100g of FWGE-SCP, containing 5.19g of FWGE-SC	Online Order	20

Analysis	Result
Calories	
Calories	394 Cal/100g
Calories from Fat	
Calories	3.21 Cal/100g
Fat by Acid Hydrolysis	
Fat	0.4 g/100g
Carbohydrates	
Total Carbohydrates	96.3 g/100g
Protein (N x 6.25) Dumas Method	
Protein	1.24 g/100g
Ash	
Ash	<0.100 g/100g
Moisture (Karl Fischer method) *	
Karl Fischer Moisture	2.06 %
Organic Acids *	
Sodium Benzoate	155 mg/100g
Aerobic Plate Count *	
Aerobic Plate Count	<10.0 CFU/g
E. coli *	
Escherichia Coli	Absent /10 g
Salmonella USP *	
Salmonella	Absent /10 g
Yeast and Mold Count *	
Yeast Count	<10 CFU/g
Mold Count	<10 CFU/g
Residual Ethanol and Methanol *	
Ethyl Acetate	<500 ppm

Method References	Testing Location
Aerobic Plate Count (USPC2021)	Covance Laboratories - Madison NE

* This analysis is not ISO accredited.

Certificate of Analysis

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Method References	Testing Location
Aerobic Plate Count (USPC2021) USP Current revision, Chapter 2021. To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix. **Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.	Covance Laboratories - Madison NE
Ash (ASHM_S) Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 923.03, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)	Covance Laboratories - Madison
Calories (CALC) Code of Federal Regulations, Title 21, Part 101.9, pp. 24-25.	Covance Laboratories - Madison
Calories from Fat (CFAT) Code of Federal Regulations, Title 21, Part 101.9, pp. 24-25.	Covance Laboratories - Madison
Carbohydrates (CHO) United States Department of Agriculture, "Energy Value of Foods", Agriculture Handbook No. 74, pp. 2-11, (1973).	Covance Laboratories - Madison
E. coli (USPE2022) USP Current revision, Chapter 2022. To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix. **Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.	Covance Laboratories - Madison NE

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Method References

Testing Location

Fat by Acid Hydrolysis (FAT_AH_S)

Covance Laboratories - Madison

Food Products that are not Dairy, Egg or Cheese Products

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 922.06 and 954.02, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Cheese and Cheese Products

Official Methods of Analysis of AOAC INTERNATIONAL (2005) 18th Ed., AOAC INTERNATIONAL, Gaithersburg, MD, USA, Official Method 933.05. (Modified)

Egg, Egg Products, and Mayonnaise

Official Methods of Analysis of AOAC INTERNATIONAL (2005) 18th Ed., AOAC INTERNATIONAL, Gaithersburg, MD, USA, Official Method 925.32. (Modified)

Moisture (Karl Fischer method) (KFMO_S)

Covance Laboratories - Madison

The United States Pharmacopeia, Thirty Seventh Revision, <921>, Method 1a, The United States Pharmacopeial Convention, Rockville, MD (2014), (Modified).

Organic Acids (ORG1_S)

Covance Laboratories - Madison

Bui, L.V., and Cooper, C., "Reverse-phase liquid chromatographic determination of benzoic and sorbic acid in foods," *Journal of the Association of Official Analytical Chemists*, 70(5): 892-896 (1987), (Modified).

Protein (N x 6.25) Dumas Method (DGEN_S)

Covance Laboratories - Madison

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 968.06 and 992.15, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Residual Ethanol and Methanol (ETME_S)

Covance Laboratories - Madison

Ethanol/Methanol by Headspace with GC-FID.

Salmonella USP (USPS2022)

Covance Laboratories - Madison NE

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

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Tarrytown, NY 10591

Method References

Yeast and Mold Count (USPM2021)

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

Testing Location

Covance Laboratories - Madison NE

Testing Location(s)

Covance Laboratories - Madison

Covance Laboratories Inc.
3301 Kinsman Blvd
Madison WI 53704
800-675-8375

Covance Laboratories - Madison NE

Covance Laboratories Inc.
2102 Wright Street
Madison WI 53704
855-83-MICRO

Released on Behalf of Covance by

Edward Ladwig - Director



2918.01

Richard Higby - Director

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.

Certificate of Analysis

Extraordinary Extracts, LLC

520 White Plains Rd #500
Tarrytown, NY 10591

Sample Name:	FWGE-SCP (Powder)	Covance Sample:	6507827
Project ID	AMERI_BIO-20170907-0028	Receipt Date	07-Sep-2017
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	0817-2	Login Date	07-Sep-2017
Sample Serving Size		Online Order	20

Analysis	Limit	Result	Pass/Fail
Bromide per USP <561>			
Bromide, inorganic (calculated as Bromide Ion)	125 mg/kg	<125 mg/kg	Pass
Total Content of Dithiocarbamates (DTCs) expressed as CS2 per USP <561>			
Total Content of Dithiocarbamates (DTCs) expressed as CS2	2 mg/kg	<2 mg/kg	Pass
USP <561> Pesticides			
Acephate	0.1 mg/kg	<0.1 mg/kg	Pass
Alachlor	0.05 mg/kg	<0.05 mg/kg	Pass
Aldrin and dieldrin (sum of)	0.05 mg/kg	<0.05 mg/kg	Pass
Azinphos-ethyl	0.1 mg/kg	<0.1 mg/kg	Pass
Azinphos-methyl	1 mg/kg	<1 mg/kg	Pass
Bromophos-ethyl	0.05 mg/kg	<0.05 mg/kg	Pass
Bromophos-methyl	0.05 mg/kg	<0.05 mg/kg	Pass
Bromopropylate	3 mg/kg	<3 mg/kg	Pass
Chlordane (sum of cis- and trans- isomers and oxychlordane)	0.05 mg/kg	<0.05 mg/kg	Pass
Chlorfenvinphos	0.5 mg/kg	<0.5 mg/kg	Pass
Chlorpyrifos-ethyl	0.2 mg/kg	<0.2 mg/kg	Pass
Chlorpyrifos-methyl	0.1 mg/kg	<0.1 mg/kg	Pass
Chlorthal-dimethyl	0.01 mg/kg	<0.01 mg/kg	Pass
Cyfluthrin (sum of isomers)	0.1 mg/kg	<0.1 mg/kg	Pass
Cyhalothrin, lambda-	1 mg/kg	<1 mg/kg	Pass
Cypermethrin (sum of isomers)	1 mg/kg	<1 mg/kg	Pass
DDT (sum of o,p'-DDT, p,p'-DDT, o,p'-DDE, p,p'-DDE, o,p'-DDD, and p,p'-DDD)	1 mg/kg	<1 mg/kg	Pass
Deltamethrin	0.5 mg/kg	<0.5 mg/kg	Pass
Diazinon	0.5 mg/kg	<0.5 mg/kg	Pass
Dichlofluanid	0.1 mg/kg	<0.1 mg/kg	Pass
Dichlorvos	1 mg/kg	<1 mg/kg	Pass
Dicofol	0.5 mg/kg	<0.5 mg/kg	Pass
Dimethoate and omethoate (sum of)	0.1 mg/kg	<0.1 mg/kg	Pass
Endosulfan (sum of isomers and endosulfan sulfate)	3 mg/kg	<3 mg/kg	Pass
Endrin	0.05 mg/kg	<0.05 mg/kg	Pass
Ethion	2 mg/kg	<2 mg/kg	Pass
Etrimphos	0.05 mg/kg	<0.05 mg/kg	Pass
Fenchlorphos (sum of fenchlorphos and fenchlorphos-oxon)	0.1 mg/kg	<0.1 mg/kg	Pass

Certificate of Analysis

Extraordinary Extracts, LLC

560 Bradley Parkway
Blauvelt NY 10913 United States

Sample Name:	FWGE-SCP (Powder)	Covance Sample:	6507827
Project ID	AMERI_BIO-20170907-0028	Receipt Date	07-Sep-2017
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	0817-2	Login Date	07-Sep-2017
Sample Serving Size		Online Order	20

Analysis	Limit	Result	Pass/Fail
USP <561> Pesticides			
Fenitrothion	0.5 mg/kg	<0.5 mg/kg	Pass
Fenpropathrin	0.03 mg/kg	<0.03 mg/kg	Pass
Fensulfothion (sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxon sulfone and fensulfothion sulfone)	0.05 mg/kg	<0.05 mg/kg	Pass
Fenthion (sum of fenthion, fenthion-oxon, fenthion-oxon sulfone, fenthion-oxon sulfoxide, fenthion sulfone and fenthion sulfoxide)	0.05 mg/kg	<0.05 mg/kg	Pass
Fenvalerate	1.5 mg/kg	<1.5 mg/kg	Pass
Flucythrinate	0.05 mg/kg	<0.05 mg/kg	Pass
Fluvalinate, tau-	0.05 mg/kg	<0.05 mg/kg	Pass
Fonofos	0.05 mg/kg	<0.05 mg/kg	Pass
Heptachlor (sum of heptachlor and cis- and trans-heptachlor epoxides)	0.05 mg/kg	<0.05 mg/kg	Pass
Hexachlorobenzene	0.1 mg/kg	<0.1 mg/kg	Pass
Hexachlorocyclohexane isomers (other than gamma)	0.3 mg/kg	<0.3 mg/kg	Pass
Lindane (gamma-hexachlorocyclohexane)	0.6 mg/kg	<0.6 mg/kg	Pass
Malathion and malaoxon (sum of)	1 mg/kg	<1 mg/kg	Pass
Mecarbam	0.05 mg/kg	<0.05 mg/kg	Pass
Methacriphos	0.05 mg/kg	<0.05 mg/kg	Pass
Methamidophos	0.05 mg/kg	<0.05 mg/kg	Pass
Methidathion	0.2 mg/kg	<0.2 mg/kg	Pass
Methoxychlor	0.05 mg/kg	<0.05 mg/kg	Pass
Mirex	0.01 mg/kg	<0.01 mg/kg	Pass
Monocrotophos	0.1 mg/kg	<0.1 mg/kg	Pass
Parathion-ethyl and paraoxon-ethyl (sum of)	0.5 mg/kg	<0.5 mg/kg	Pass
Parathion-methyl and paraoxon-methyl (sum of)	0.2 mg/kg	<0.2 mg/kg	Pass
Pendimethalin	0.1 mg/kg	<0.1 mg/kg	Pass
Pentachloranisol	0.01 mg/kg	<0.01 mg/kg	Pass
Permethrin (sum of isomers)	1 mg/kg	<1 mg/kg	Pass
Phosalone	0.1 mg/kg	<0.1 mg/kg	Pass
Phosmet	0.05 mg/kg	<0.05 mg/kg	Pass
Piperonyl butoxide	3 mg/kg	<3 mg/kg	Pass
Pirimiphos-ethyl	0.05 mg/kg	<0.05 mg/kg	Pass
Pirimiphos-methyl (sum of pirimiphos-methyl and N-desethyl-pirimiphos-methyl)	4 mg/kg	<4 mg/kg	Pass

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Blauvelt NY 10913 United States

Sample Name:	FWGE-SCP (Powder)	Covance Sample:	6507827
Project ID	AMERI_BIO-20170907-0028	Receipt Date	07-Sep-2017
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	0817-2	Login Date	07-Sep-2017
Sample Serving Size		Online Order	20

Analysis	Limit	Result	Pass/Fail
USP <561> Pesticides			
Procymidone	0.1 mg/kg	<0.1 mg/kg	Pass
Profenophos	0.1 mg/kg	<0.1 mg/kg	Pass
Prothiophos	0.05 mg/kg	<0.05 mg/kg	Pass
Pyrethrum (sum of cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I, and pyrethrin II)	3 mg/kg	<3 mg/kg	Pass
Quinalphos	0.05 mg/kg	<0.05 mg/kg	Pass
Quintozene (sum of quintozene, pentachloroaniline and methyl pentachlorophenyl sulfide)	1 mg/kg	<1 mg/kg	Pass
S-421	0.02 mg/kg	<0.02 mg/kg	Pass
Tecnazene	0.05 mg/kg	<0.05 mg/kg	Pass
Tetradifon	0.3 mg/kg	<0.3 mg/kg	Pass
Vinclozolin	0.4 mg/kg	<0.4 mg/kg	Pass

Method References **Testing Location**

Bromide per USP <561> (MEBR_PKG) **Covance Laboratories - Greenfield**

Community Reference Laboratory for Single Residue Methods, CVUA, Stuttgart, Schaglandstr 3/2, 70736 Fellbach, Germany.

T. Stijve, Gas Chromatographic Determination of Inorganic Bromide Residues - a Simplified Procedure, Dtsch. Lebenm Rundsch 77 99-101 (1981).

Deutsche Forschungsgemeinschaft (DFG), Manual of Pesticide Residue Analysis, Volume I by Verlag Chemie, 1987 ISBN 3-527-27010-8

Total Content of Dithiocarbamates (DTCs) expressed as CS2 per USP <561> (DTC_PKG) **Covance Laboratories - Greenfield**

Hayama, T. and Takada, M., "Simple and Rapid method for the determination of Ethylenebisdithiocarbamate Fungicides in Fruits and Vegetables Using Liquid Chromatography with Tandem Mass Spectrometry," *Anal. Bioanal. Chem.*, 392:969-976 (2008).

Certificate of Analysis

American BioSciences, Inc.

560 Bradley Parkway
Blauvelt NY 10913 United States

Method References

Testing Location

USP <561> Pesticides (PS01_SA_S)

Covance Laboratories - Greenfield

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

EP Chapter 2.8.13 Pesticide Residues, The European Pharmacopoeia

USP Chapter <561> Articles of Botanical Origin, The United States Pharmacopeia

Please contact us if you want a complete listing of all compounds determined during testing.

Testing Location(s)

Released on Behalf of Covance by

Covance Laboratories - Greenfield

Karelyn Koehn - Manager

Covance Laboratories Inc.
671 S. Meridian Road
Greenfield IN 46140
866-964-2034



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