

Certificate of Analysis

Genesee, Inc.

27848 Whirlaway Trl
Evergreen Colorado 80439 United States

Sample Name:	CHOCOLATE PB CRISP	Eurofins Sample:	9088228
Project ID	GENESEE-20191209-0001	Receipt Date	09-Dec-2019
PO Number	cvd	Receipt Condition	Ambient temperature
Sample Serving Size	60 g	Login Date	09-Dec-2019
		Date Started	10-Dec-2019
		Sampled	Sample results apply as received
		Number Composited	3

Analysis	Result
Fat by Acid Hydrolysis	
Fat	10.9 g/Serving Size
Carbohydrates	
Total Carbohydrates	22.3 g/Serving Size
Protein (N x 6.25) Dumas Method	
Protein	19.4 g/Serving Size
Ash	
Ash	0.896 g/Serving Size
Moisture by M100_T100	
Moisture	6.50 g/Serving Size
Industrial Hemp Cannabinoid Profile	
CBDVA	<0.00150 g/Serving Size
CBDV	<0.00150 g/Serving Size
CBDA	<0.00150 g/Serving Size
CBGA	<0.00150 g/Serving Size
CBG	<0.00150 g/Serving Size
CBD	0.00601 g/Serving Size
THCV	<0.00150 g/Serving Size
CBN	<0.00150 g/Serving Size
Delta 9-THC	<0.00150 g/Serving Size
Delta 8-THC	<0.00300 g/Serving Size
THCA	<0.00150 g/Serving Size
CBC	<0.00150 g/Serving Size
Total Cannabinoids	0.00600 g/Serving Size
Total THC (THC + (THCA x 0.877))	<0.00300 g/Serving Size
Total CBD (CBD + (CBDA x 0.877))	0.00600 g/Serving Size
Elements by ICP Mass Spectrometry	
Arsenic	<0.600 mcg/Serving Size
Cadmium	1.11 mcg/Serving Size
Lead	0.375 mcg/Serving Size
Mercury	<0.300 mcg/Serving Size

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Analysis

Result

Multi-Residue Analysis for hemp products - 60+ compounds

Matrix Type - To Determine Limit of Quantification (LOQ)

Spices - Botanicals - and other
Specialty Samples

Abamectin	<0.018 mg/Serving Size
Aldicarb	<0.0060 mg/Serving Size
Aldicarb sulfone (Aldoxycarb)	<0.0060 mg/Serving Size
Aldicarb sulfoxide	<0.0060 mg/Serving Size
Azoxystrobin	<0.0060 mg/Serving Size
Bifenazate	<0.0060 mg/Serving Size
Bifenthrin	<0.0060 mg/Serving Size
Carbaryl	<0.0060 mg/Serving Size
Carbofuran	<0.0060 mg/Serving Size
Carbofuran-3-hydroxy-	<0.0060 mg/Serving Size
Chlorantraniliprole	<0.0060 mg/Serving Size
Chlordane, cis-	<0.0060 mg/Serving Size
Chlordane, trans-	<0.0060 mg/Serving Size
Chlorfenapyr	<0.0060 mg/Serving Size
Chlorpyrifos	<0.0060 mg/Serving Size
Coumaphos	<0.0060 mg/Serving Size
Cyfluthrin	<0.0060 mg/Serving Size
Cypermethrin	<0.0060 mg/Serving Size
Cyproconazole (2 diastereoisomers)	<0.0060 mg/Serving Size
Cyprodinil	<0.0060 mg/Serving Size
Dichlorvos	<0.0060 mg/Serving Size
Diclobutrazol	<0.0060 mg/Serving Size
Dipropetryn	<0.0060 mg/Serving Size
Disulfoton	<0.0060 mg/Serving Size
Endosulfan I (alpha-isomer)	<0.0060 mg/Serving Size
Endosulfan II (beta-isomer)	<0.0060 mg/Serving Size
Endosulfan sulfate	<0.0060 mg/Serving Size
Epoxiconazole	<0.0060 mg/Serving Size
Ethiofencarb	<0.0060 mg/Serving Size

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Multi-Residue Analysis for hemp products - 60+ compounds

Etofenprox	<0.0060 mg/Serving Size
Etoazole	<0.0060 mg/Serving Size
Fenoxycarb	<0.0060 mg/Serving Size
Fenpropathrin	<0.0060 mg/Serving Size
Fenvalerate/Esfenvalerate (sum of isomers)	<0.0060 mg/Serving Size
Fipronil	<0.0060 mg/Serving Size
Fipronil desulfinyl	<0.0060 mg/Serving Size
Fipronil sulfone	<0.0060 mg/Serving Size
Imazalil	<0.0060 mg/Serving Size
Imidacloprid	<0.0060 mg/Serving Size
Malathion	<0.0060 mg/Serving Size
Methiocarb	<0.0060 mg/Serving Size
Methiocarb sulfone	<0.0060 mg/Serving Size
Methiocarb sulfoxide	<0.0060 mg/Serving Size
Methomyl	<0.0060 mg/Serving Size
Metolachlor	<0.0060 mg/Serving Size
Mevinphos (E- and Z-isomers)	<0.0060 mg/Serving Size
Myclobutanil	<0.0060 mg/Serving Size
Naled (Dibrom)	<0.0060 mg/Serving Size
Paclobutrazol	<0.0060 mg/Serving Size
Permethrin (sum of isomers)	<0.0060 mg/Serving Size
Propoxur	<0.0060 mg/Serving Size
Pyrethrum (total)	<0.060 mg/Serving Size
Spinetoram (spinosyns J and L)	<0.0060 mg/Serving Size
Spinosad (spinosyns A and D)	<0.0060 mg/Serving Size
Spirodiclofen	<0.0060 mg/Serving Size
Spiromesifen	<0.0060 mg/Serving Size
Spiromesifen enol	non-analyzable
Spirotetramat	<0.0060 mg/Serving Size
Spiroxamine (2 diastereoisomers)	<0.0060 mg/Serving Size
Tebuconazole	<0.0060 mg/Serving Size

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Thiabendazole	<0.0060 mg/Serving Size
Thiabendazole-5-hydroxy-	<0.0060 mg/Serving Size
Thiacloprid	<0.0060 mg/Serving Size
Trifloxystrobin	<0.0060 mg/Serving Size

Method References

Testing Location

Ash (ASHM_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 923.03, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Carbohydrates (CHO)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

United States Department of Agriculture, "Energy Value of Foods", Agriculture Handbook No. 74, pp. 2-11, (1973).

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).

Paquette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

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Method References

Testing Location

Fat by Acid Hydrolysis (FAT_AH_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

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)

Industrial Hemp Cannabinoid Profile (IHCBD_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis, Method 2018.11, AOAC INTERNATIONAL, (Modified). Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection," First Action Method, Journal of AOAC International, Future Issue

Moisture by M100_T100 (M100T100_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 925.09 and 926.08, AOAC INTERNATIONAL, Gaithersburg, MD, USA,(2005). (Modified).

Multi-Residue Analysis for hemp products - 60+ compounds (PEST_HEMP)

Food Integ. Innovation-Greenfield

671 S. Meridian Road Greenfield, IN 46140 USA

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.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

Protein (N x 6.25) Dumas Method (DGEN_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

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

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Testing Location(s)

Released on Behalf of Eurofins by

Food Integ. Innovation-Greenfield

Eurofins Food Chemistry Testing US, Inc.
671 S. Meridian Road
Greenfield IN 46140
800-675-8375

Timothy McIntyre - Manager



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Food Integrity Innovation-Madison

Eurofins Food Chemistry Testing US, Inc.
3301 Kinsman Blvd
Madison WI 53704
800-675-8375

Edward Ladwig - Director



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