

Certificate of Analysis

Zilis LLC

415 US 377

Argyle Texas 76226 United States

Sample Name:	909Q	Eurofins Sample:	8841243
Project ID	ZILIS-20190919-0023	Receipt Date	19-Sep-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	909Q	Login Date	19-Sep-2019
Sample Serving Size		Date Started	24-Sep-2019

Analysis

Result

Industrial Hemp Cannabinoid Profile

Delta 9-THC	0.0144 %
THCA	<0.00250 %

Method References

Testing Location

Industrial Hemp Cannabinoid Profile (IHCBD_S)

Food Integrity Innovation-Boulder

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

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Boulder

Ian Laessig - Manager

Eurofins Food Chemistry Testing US, Inc.
2830 Wilderness Pl
Boulder CO 80301
800-675-8375



AT-1816

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Certificate of Analysis

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Sample Name:	Berry: 909Q	Eurofins Sample:	8902751
Sample Pass/Fail	PASS	Receipt Date	07-Oct-2019
Project ID	ZILIS-20191009-0027	Receipt Condition	Ambient temperature
PO Number	CVD	Login Date	09-Oct-2019
Lot Number	909Q	Date Started	09-Oct-2019
Sample Serving Size	1 mL	Sampled	Sample results apply as received

Analysis	Result	Specifications	Pass/Fail
Specific Gravity *			
Density	0.900 g/mL	0.9 g/mL	Pass
Aerobic Plate Count *			
Aerobic Plate Count	<100 CFU/g	<= 1000 CFU/g	Pass
Aerobic Plate Count	100 CFU/g	<= 1000 CFU/g	Pass
E. coli *			
Escherichia Coli	Absent /10 g		
Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) *			
Enterobacterial Count	<10.0 MPN/g	<= 100 MPN/g	Pass
Salmonella USP *			
Salmonella	Absent /10 g		
Yeast and Mold Count *			
Yeast Count	<10.0 CFU/g	<= 100 CFU/g	Pass
Mold Count	<10.0 CFU/g	<= 100 CFU/g	Pass
Preparatory Testing of Nutritional and Dietary Supplements *			
Yeast and Mold Suitability	Pass**		
Bile-Tolerant Gram-Neg Bacteria Suitability Result	Pass**		
Salmonella Suitability Result	Pass**		
E. coli Suitability Result	Pass**		
Aerobic Plate Suitability Result	Pass**		
Metals Analysis by ICP-MS			
Arsenic	<0.0536 mcg/Serving Size	<= 10 mcg/Serving Size	Pass
Cadmium	<0.0134 mcg/Serving Size	<= 4.1 mcg/Serving Size	Pass
Lead	<0.0134 mcg/Serving Size	<= 6 mcg/Serving Size	Pass
Mercury	<0.00670 mcg/Serving Size	<= 2.0 mcg/Serving Size	Pass

Multi-Residue Analysis for hemp products - 60+ compounds

Matrix Type - To Determine Limit of Quantification (LOQ) Spices - Botanicals - and other Specialty Samples

* This analysis or component is not ISO accredited.

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Lot Number	909Q	Date Started	09-Oct-2019
Sample Serving Size	1 mL	Sampled	Sample results apply as received

Analysis	Result	Specifications	Pass/Fail
Multi-Residue Analysis for hemp products - 60+ compounds			
Abamectin	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Aldicarb	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Aldicarb sulfone (Aldoxycarb)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Aldicarb sulfoxide	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Azoxystrobin	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Bifenazate	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Bifenthrin	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Carbaryl	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Carbofuran	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Carbofuran-3-hydroxy-	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Chlorantraniliprole	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Chlordane, cis-	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Chlordane, trans-	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Chlorfenapyr	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Chlorpyrifos	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Coumaphos	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Cyfluthrin	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Cypermethrin	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Cyproconazole (2 diastereoisomers)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Cyprodinil	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Dichlorvos	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Diclobutrazol	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Dipropetryn	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Disulfoton	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Endosulfan I (alpha-isomer)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Endosulfan II (beta-isomer)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Endosulfan sulfate	<0.050 mg/kg	<= 0.30 mg/kg	Pass

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Lot Number	909Q	Date Started	09-Oct-2019
Sample Serving Size	1 mL	Sampled	Sample results apply as received

Analysis	Result	Specifications	Pass/Fail
Multi-Residue Analysis for hemp products - 60+ compounds			
Epoxiconazole	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Ethiofencarb	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Etofenprox	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Etoxazole	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Fenoxycarb	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Fenpropathrin	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Fenvalerate/Esfenvalerate (sum of isomers)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Fipronil	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Fipronil desulfinyl	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Fipronil sulfone	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Imazalil	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Imidacloprid	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Malathion	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Methiocarb	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Methiocarb sulfone	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Methiocarb sulfoxide	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Methomyl	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Metolachlor	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Mevinphos (E- and Z-isomers)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Myclobutanil	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Naled (Dibrom)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Paclobutrazol	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Permethrin (sum of isomers)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Propoxur	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Pyrethrum (total)	<0.50 mg/kg	<= 0.50 mg/kg	Pass
Spinetoram (spinosyns J and L)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Spinosad (spinosyns A and D)	<0.050 mg/kg	<= 0.30 mg/kg	Pass

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Lot Number	909Q	Date Started	09-Oct-2019
Sample Serving Size	1 mL	Sampled	Sample results apply as received

Analysis	Result	Specifications	Pass/Fail
Multi-Residue Analysis for hemp products - 60+ compounds			
Spirodiclofen	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Spiromesifen	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Spiromesifen enol	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Spirotetramat	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Spiroxamine (2 diastereoisomers)	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Tebuconazole	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Thiabendazole	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Thiabendazole-5-hydroxy-	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Thiacloprid	<0.050 mg/kg	<= 0.30 mg/kg	Pass
Trifloxystrobin	<0.050 mg/kg	<= 0.30 mg/kg	Pass

Miscellaneous analysis *

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 3 *				
1-Butanol	200 ppm	5000 ppm	<200 ppm	Pass
1-Pentanol	200 ppm	5000 ppm	<200 ppm	Pass
1-Propanol	200 ppm	5000 ppm	<200 ppm	Pass
2-Butanol	200 ppm	5000 ppm	<200 ppm	Pass
Methylethylketone	200 ppm	5000 ppm	<200 ppm	Pass
3-Methyl-1-butanol	200 ppm	5000 ppm	<200 ppm	Pass
Acetic Acid Butyl Ester	200 ppm	5000 ppm	<200 ppm	Pass
Acetone	200 ppm	5000 ppm	<200 ppm	Pass
Anisole	200 ppm	5000 ppm	<200 ppm	Pass
Diethyl Ether	200 ppm	5000 ppm	<200 ppm	Pass
Ethyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Ethyl Formate	500 ppm	5000 ppm	<500 ppm	Pass
2-Methyl-1-propanol	200 ppm	5000 ppm	<200 ppm	Pass
Isobutyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass

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PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	909Q	Login Date	09-Oct-2019
Sample Serving Size	1 mL	Date Started	09-Oct-2019
		Sampled	Sample results apply as received

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 3 *				
2-Propanol	200 ppm	5000 ppm	<200 ppm	Pass
Isopropyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Methyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Methylisobutylketone	200 ppm	5000 ppm	<200 ppm	Pass
tert-Butylmethyl Ether	200 ppm	5000 ppm	<200 ppm	Pass
n-Heptane	200 ppm	5000 ppm	<200 ppm	Pass
n-Pentane	200 ppm	5000 ppm	<200 ppm	Pass
Propyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass

Method References

Testing Location

Aerobic Plate Count (USPC2021)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

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.

E. coli (USPE2022)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

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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Method References

Testing Location

Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) (USPN2021)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

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.

Metals Analysis by ICP-MS (ICP_MS_B_S)

Food Integrity Innovation-Boulder

2830 Wilderness Pl Boulder, CO 80301 USA

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.

"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version.

Miscellaneous analysis (MISC_4019)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

for billing purposes only

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.

Preparatory Testing of Nutritional and Dietary Supplements (USPC_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPE_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPM_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

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Method References	Testing Location
<p>Preparatory Testing of Nutritional and Dietary Supplements (USPN_PT)</p>	<p>Food Integ. Innovation-Madison NE 2102 Wright Street Madison, WI 53704 USA</p>
<p>Preparatory Testing of Nutritional and Dietary Supplements (USPS_PT)</p>	<p>Food Integ. Innovation-Madison NE 2102 Wright Street Madison, WI 53704 USA</p>
<p>Residual Solvents - Class 3 (USPR_S)</p> <p>United States Pharmacopeia, 38nd Rev. - National Formulary 33th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015). (Modified).</p>	<p>Food Integrity Innovation-Madison 3301 Kinsman Blvd Madison, WI 53704 USA</p>
<p>Salmonella USP (USPS2022)</p> <p>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.</p>	<p>Food Integ. Innovation-Madison NE 2102 Wright Street Madison, WI 53704 USA</p>
<p>Specific Gravity (SPGP_S)</p> <p>NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)</p>	<p>Food Integrity Innovation-Boulder 2830 Wilderness Pl Boulder, CO 80301 USA</p>
<p>Yeast and Mold Count (USPM2021)</p> <p>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.</p>	<p>Food Integ. Innovation-Madison NE 2102 Wright Street Madison, WI 53704 USA</p>

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Testing Location(s)

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Food Integrity Innovation-Boulder

Ian Laessig - Manager

Eurofins Food Chemistry Testing US, Inc.
2830 Wilderness Pl
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2102 Wright Street
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ULTRA CELL[®]

PROPRIETARY HEMP CBD OIL

Full Spectrum and Water Soluble



BERRY PRODUCT SPEC/COA

ZILIS ULTRACELL HEMP OIL EXTRACT – Berry 500 mg (30 mL) / 116.7 mg (7 mL)



Product Description:	100% Industrial Hemp Extract with Ultracell [®] Technology
Batch Manufacture Date:	9/16/2019
Expiration Date:	9/16/2021
Batch Size:	378 liters
Total Quantity:	11,264 Bottles
Ingredients Used:	Purified Water, Glycerin, Acai Berry Extract, Natural Flavors (from Plant Extract), Stevia Leaf Extract (Steviol Glycosides), Sunflower Lecithin, Polysaccharide Blend (from Xanthan Gum and Acacia Gum), Potassium Sorbate.
Manufactured by:	Zilis, LLC
Lot Number:	909Q
Batch Number:	909Q
Country of Origin:	USA
Storage/Handling:	Keep in room temperature, protected from light, excessive heat and moisture.
THC Profile:	Delta9-THC: 0.0144% Total THC: 0.0144% (Testing method: HPLC); (Federal THC Limit: < 0.3%)
Packaging:	30 mL blue cobalt glass bottle / 15 mL blue cobalt glass bottle
QR Code Link:	COA.ZILIS.COM

Appearance:

Light to Medium thickness reddish color.
Characteristic taste and smell.

(Testing method: Visual inspection/Organolectic)

Serving Size 1 Dropper (1 mL)
Servings Per Bottle 30

	Amount per Serving	% Daily Value
Hemp Oil Extract (from aerial parts)	16.67 mg	±
Cannabidiol (CBD)	4.17 mg	±

± Daily Value not established.

OTHER INGREDIENTS: Purified Water, Glycerin, Acai Berry Extract, Natural Flavors (from Plant Extract), Stevia Leaf Extract (Steviol Glycosides), Sunflower Lecithin, Polysaccharide Blend (from Xanthan Gum and Acacia Gum), Potassium Sorbate.

DIRECTIONS: Shake before using. Take one (1) dropper (1mL) per day or as directed by a physician. Intended for oral use only. Consult your qualified healthcare provider prior to using this product, especially if you have a medical condition or are taking any medications. Not intended for use by pregnant or nursing women or anyone under age 18. Keep out of reach of children.

Zilis LLC. • 415 US Hwy 377, Suite 2020, Argyle, TX 76226 • **PHONE:** 214-705-3702 • **FAX:** 972-692-7434 • **EMAIL:** support@zilis.com



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