

# CERTIFICATE OF ANALYSIS



1777 SUN PEAK DRIVE  
PARK CITY, UT 84098

Solaray Leaf Therapeutics Hemp Oil Sleep Blend, 30 Count

Product: 14364

Packaged Lot: 232905

Production Date: 29-May-2019

Pill Lot: 91515995

Pills Used: 342,000

Bottles Produced: 11,686

Solvent Used: None, Cold Pressed or Supercritical CO2 Extraction

	Analysis	Specification	Result	Method
Active	Cannabidiol	15 mg/pill	19.4 mg/pill	HPLC
	Tetrahydrocannabinol	Less than 0.3 %	0.13%	HPLC
<i>*Testing done by Eurofins Food Chemistry Testing US, Inc., Boulder, Colorado</i>				
Heavy Metals	Arsenic	< 1.00 ppm	0.07 ppm	ICP-MS
	Cadmium	< 0.30 ppm	<0.01 ppm	ICP-MS
	Lead	< 1.00 ppm	0.04 ppm	ICP-MS
	Mercury	< 0.10 ppm	<0.01 ppm	ICP-MS
<i>*Testing done by Nutri-Biome, Ogden, Utah</i>				
Microbiological	Total Plate Count	< 1,000,000 CFU/g	300 CFU/g	USP 61
	Mold	<5,000 CFU/g	<100 CFU/g	USP 61
	Yeast	<5,000 CFU/g	<100 CFU/g	USP 61
	Coliform	< 10 CFU/g	<10 CFU/g	AOAC 991.14
	E. coli	< 10 CFU/g	Negative	AOAC 991.14
	Enterobacteriaceae	< 10 CFU/g	Negative	AOAC 2003.01
	Staph	< 10 CFU/g	Negative	USP 61
<i>*Testing done by Great Basin Laboratory, Ogden, Utah</i>				
Pesticides	Glyphosate	Meets USP 561	Meets USP 561	LC/MS/MS
	Hemp Screen	Meets USP 561	Meets USP 561	GC-MS or LC-MS
	<i>*Testing done by Eurofins Food Chemistry Testing US, Inc., Greenfield, Indiana And TUV India Private, Pune, Maharashtra, India</i>			

\*Please see the following pages for the Certificates of Analysis from the 3<sup>rd</sup> party laboratories.

Approved by:

Joel Tippets, VP - Quality

### Certificate of Analysis

#### Sustainable Labs, Inc.(Formerly Nutraceutical Corp.)

1777 Sun Peak Dr  
Park City Utah 84098 United States

<b>Sample Name:</b>	<b>s201748.1 CBD 15mg Sleep (BKCO-34)</b>	<b>Eurofins Sample:</b>	<b>8469915</b>
<b>Project ID</b>	SUSTAIN_LA-20190520-0068	<b>Receipt Date</b>	20-May-2019
<b>PO Number</b>	NV7017792	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	4032031	<b>Login Date</b>	20-May-2019
<b>Sample Serving Size</b>	1 Softgel	<b>Date Started</b>	20-May-2019

Analysis	Specifications	Result
<b>Industrial Hemp Cannabinoid Profile</b>		
CBDVA		<0.0135 mg/Serving Size
CBDV		0.150 mg/Serving Size
CBDA		0.177 mg/Serving Size
CBGA		<0.0135 mg/Serving Size
CBG		0.325 mg/Serving Size
CBD	14.25 - 20.25 mg/Serving Size	19.4 mg/Serving Size
THCV		<0.0135 mg/Serving Size
CBN		<0.0135 mg/Serving Size
Delta 9-THC		0.710 mg/Serving Size
Delta 8-THC		<0.0270 mg/Serving Size
THCA		<0.0135 mg/Serving Size
CBC		0.902 mg/Serving Size
Total Cannabinoids		21.7 mg/Serving Size
<b>Calculated Sample Weight *</b>		
Entity Weight		0.6462 g
Entity Fill Weight		0.5405 g

Method References	Testing Location
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Calculated Sample Weight (PREP_BOU)	Food Integrity Innovation-Boulder
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Industrial Hemp Cannabinoid Profile (IHCBDS)	Food Integrity Innovation-Boulder
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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

\* This analysis or component is not ISO accredited.

## Certificate of Analysis

### Sustainable Labs, Inc.(Formerly Nutraceutical Corp.)

1777 Sun Peak Dr  
Park City Utah 84098 United States

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**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

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 Eurofins.



# ANALYTICAL REPORT

Nutri-Biome 1877 W. 2800 S., Ogden UT, 84401 801-564-3233

Nutraceutical Corporation  
550 West 2nd Street  
Ogden, UT 84404

Report Date: 5/20/2019  
Date Recieved: 5/20/2019  
Purchase Order: NV7018092  
Lab Number: 1145  
Project Manager: Patty Vine

## Analytical Results

Sample Number: 1145-02

Description: CBD 15mg Sleep (BKCO-36)

Lot Number: S201748.3

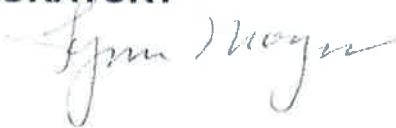
Test	Method	Result	Units
Arsenic	ICP-MS	0.07	ppm
Cadmium	ICP-MS	<0.01	ppm
Lead	ICP-MS	0.04	ppm
Mercury	ICP-MS	<0.01	ppm

These results apply only to the submitted sample and not to the material from which it was taken. This report is confidential and is for the sole use of the addressee. This report shall not be reproduced, except in its entirety, without the written approval from Nutri-Biome.

Approved By: Patty Vine  
Patty Vine

**GREAT BASIN LABORATORY**

**Lynn V. Moyes**  
4291 West 2350 North  
Ogden, UT 84404  
Ph: 801-540-3645



**DATE:** 17 May 2019

**PRODUCT:** CBD 15mg Sleep (BKCO-36)

**LOT NO:** s201748.4

**TESTS RUN**

**RESULTS (CFU/gm) METHODOLOGY**

Total Count	300	USP 61
Coliform Count	<10	AOAC991.14
<i>E. coli</i>	Negative	AOAC991.14
Yeast Count	<100	USP 61
Mold Count	<100	USP 61
<i>Staphylococcus aureus</i>	Negative	USP 61
<i>Enterobacteriaceae</i>	Negative	AOAC 2003.01

## Certificate of Analysis

### Sustainable Labs Inc

1777 Sun Peak Dr  
Park City Utah 84098 United States

<b>Sample Name:</b>	CBD 15mg Sleep	<b>Eurofins Sample:</b>	8469417
<b>Project ID</b>	SUSTAIN_LA-20190520-0065	<b>Receipt Date</b>	20-May-2019
<b>PO Number</b>	NV7017758	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	S201748.5	<b>Login Date</b>	20-May-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Glyphosate and AMPA *</b>	
Glyphosate	<100.0 ng/g
AMPA	<100.0 ng/g
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Matrix Type - To Determine Limit of Quantification (LOQ)	High-Fat Food Matrices
Abamectin	<0.05 mg/kg
Acephate	<0.05 mg/kg
Acetamiprid	<0.05 mg/kg
Acetochlor	<0.05 mg/kg
Acibenzolar-S-methyl	<0.05 mg/kg
Aclonifen	<0.05 mg/kg
Acrinathrin	<0.05 mg/kg
Alachlor	<0.05 mg/kg
Aldicarb	<0.05 mg/kg
Aldicarb sulfone (Aldoxycarb)	<0.05 mg/kg
Aldicarb sulfoxide	<0.05 mg/kg
Aldrin	<0.05 mg/kg
Allethrin	<0.05 mg/kg
Ametryn	<0.05 mg/kg
Amidosulfuron	<0.05 mg/kg
Aminocarb	<0.05 mg/kg
Amitraz metabolite DMF	<0.05 mg/kg
Amitraz metabolite DMPF	<0.05 mg/kg
Anilofos	<0.05 mg/kg
Atrazine	<0.05 mg/kg
Azaconazole	<0.05 mg/kg
Azamethiphos	<0.05 mg/kg
Azinphos-ethyl	<0.05 mg/kg
Azinphos-methyl	<0.05 mg/kg
Azoxystrobin	<0.05 mg/kg
Beflubutamid	<0.05 mg/kg
Benalaxyl	<0.05 mg/kg
Bendiocarb	<0.05 mg/kg
Benfluralin	<0.05 mg/kg
Benoxacor	<0.05 mg/kg

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<b>Sample Name:</b>	<b>CBD 15mg Sleep</b>	<b>Eurofins Sample:</b>	<b>8469417</b>
<b>Project ID</b>	SUSTAIN_LA-20190520-0065	<b>Receipt Date</b>	20-May-2019
<b>PO Number</b>	NV7017758	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	S201748.5	<b>Login Date</b>	20-May-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Benzoximate	<0.05 mg/kg
Bifenazate	<0.05 mg/kg
Bifenox	<0.05 mg/kg
Bifenthrin	<0.05 mg/kg
Bispyribac	<0.05 mg/kg
Bitertanol	<0.05 mg/kg
Bixafen	<0.05 mg/kg
Boscalid	<0.05 mg/kg
Bromacil	<0.05 mg/kg
Bromophos-ethyl	<0.05 mg/kg
Bromophos-methyl	<0.05 mg/kg
Bromopropylate	<0.05 mg/kg
Bromuconazole (2 diastereoisomers)	<0.05 mg/kg
Bupirimate	<0.05 mg/kg
Buprofezin	<0.05 mg/kg
Butachlor	<0.05 mg/kg
Butafenacil	<0.05 mg/kg
Butocarboxim	<0.05 mg/kg
Butocarboxim sulfoxide	<0.05 mg/kg
Butoxycarboxim	<0.05 mg/kg
Butylate	<0.05 mg/kg
Cadusafos	<0.05 mg/kg
Carbaryl	<0.05 mg/kg
Carbendazim	<0.05 mg/kg
Carbetamide	<0.05 mg/kg
Carbofuran	<0.05 mg/kg
Carbofuran-3-hydroxy-	<0.05 mg/kg
Carbophenothion	<0.05 mg/kg
Carboxin	<0.05 mg/kg
Carfentrazone-ethyl	<0.05 mg/kg
Chlorantraniliprole	<0.05 mg/kg
Chlorbromuron	<0.05 mg/kg
Chlordane, cis-	<0.05 mg/kg
Chlordane, trans-	<0.05 mg/kg

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<b>Project ID</b>	SUSTAIN_LA-20190520-0065	<b>Receipt Date</b>	20-May-2019
<b>PO Number</b>	NV7017758	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	S201748.5	<b>Login Date</b>	20-May-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Chlordimeform	<0.05 mg/kg
Chlorfenapyr	<0.05 mg/kg
Chlorfenvinphos (E- and Z-isomers)	<0.05 mg/kg
Chloridazon (Pyrazon)	<0.05 mg/kg
Chlorimuron-ethyl (Classic)	<0.05 mg/kg
Chlorobenzilate	<0.05 mg/kg
Chlorotoluron (Chlortoluron)	<0.05 mg/kg
Chloroxuron	<0.05 mg/kg
Chlorpropham (CIPC)	<0.05 mg/kg
Chlorpyrifos	0.19 mg/kg
Chlorpyrifos-methyl	<0.05 mg/kg
Chlorsulfuron	<0.05 mg/kg
Clethodim (E- and Z-isomers)	<0.05 mg/kg
Clodinafop-propargyl	<0.05 mg/kg
Clofentezine	<0.05 mg/kg
Clomazone	<0.05 mg/kg
Cloquintocet-mexyl	<0.05 mg/kg
Clothianidin	<0.05 mg/kg
Coumaphos	<0.05 mg/kg
Cyanazine	<0.05 mg/kg
Cyanofenphos	<0.05 mg/kg
Cyazofamid	<0.05 mg/kg
Cycloate	<0.05 mg/kg
Cycloxydim	<0.05 mg/kg
Cycluron	<0.05 mg/kg
Cyflufenamid	<0.05 mg/kg
Cyfluthrin	<0.05 mg/kg
Cymiazole	<0.05 mg/kg
Cymoxanil	<0.05 mg/kg
Cypermethrin	0.073 mg/kg
Cyproconazole (2 diastereoisomers)	<0.05 mg/kg
Cyprodinil	<0.05 mg/kg
Cyromazine	<0.05 mg/kg
Dacthal (Chlorthal-dimethyl, DCPA)	<0.05 mg/kg

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<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
DDD, o,p'-	<0.05 mg/kg
DDD, p,p'-	<0.05 mg/kg
DDE, o,p'-	<0.05 mg/kg
DDE, p,p'-	<0.05 mg/kg
DDT, o,p'-	<0.05 mg/kg
DDT, p,p'-	<0.05 mg/kg
DEET (Diethyltoluamide)	<0.05 mg/kg
Deltamethrin	<0.05 mg/kg
Demeton-O	<0.05 mg/kg
Demeton-S	<0.05 mg/kg
Demeton-S-methyl	<0.05 mg/kg
Demeton-S-methyl sulfone	<0.05 mg/kg
Desmedipham	<0.05 mg/kg
Dialifos (Dialifor)	<0.05 mg/kg
Diazinon	<0.05 mg/kg
Diazinon oxon	<0.05 mg/kg
Dichlobenil	<0.05 mg/kg
Dichlofenthion	<0.05 mg/kg
Dichlofluanid	<0.05 mg/kg
Dichlorvos	<0.05 mg/kg
Diclobutrazol	<0.05 mg/kg
Diclocymet (2 diastereoisomers)	<0.05 mg/kg
Dicloran (DCNA)	<0.05 mg/kg
Dicrotophos	<0.05 mg/kg
Dieldrin	<0.05 mg/kg
Diethofencarb	<0.05 mg/kg
Difenoconazole (cis- and trans-)	<0.05 mg/kg
Diflubenzuron	<0.05 mg/kg
Diflufenican	<0.05 mg/kg
Dimethachlor	<0.05 mg/kg
Dimethametryn	<0.05 mg/kg
Dimethenamid	<0.05 mg/kg
Dimethoate	<0.05 mg/kg
Dimethomorph (E- and Z-isomers)	<0.05 mg/kg

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<b>Project ID</b>	SUSTAIN_LA-20190520-0065	<b>Receipt Date</b>	20-May-2019
<b>PO Number</b>	NV7017758	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	S201748.5	<b>Login Date</b>	20-May-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Dimetilan	<0.05 mg/kg
Dimoxystrobin	<0.05 mg/kg
Diniconazole	<0.05 mg/kg
Dinitramine	<0.05 mg/kg
Dinotefuran	<0.05 mg/kg
Dioxacarb	<0.05 mg/kg
Diphenamid	<0.05 mg/kg
Diphenylamine	<0.05 mg/kg
Dipropetryn	<0.05 mg/kg
Disulfoton	<0.05 mg/kg
Disulfoton sulfone	<0.05 mg/kg
Disulfoton sulfoxide	<0.05 mg/kg
DMST (Dimethylaminosulfotoluidide)	<0.05 mg/kg
Dodemorph (cis- and trans-)	<0.05 mg/kg
Dodine	<0.05 mg/kg
Enamectin benzoate	<0.05 mg/kg
Endosulfan I (alpha-isomer)	<0.05 mg/kg
Endosulfan II (beta-isomer)	<0.05 mg/kg
Endosulfan sulfate	<0.05 mg/kg
EPN	<0.05 mg/kg
Epoxiconazole	<0.05 mg/kg
Ethaboxam	<0.05 mg/kg
Ethalfuralin	<0.05 mg/kg
Ethidimuron (Sulfadiazole)	<0.05 mg/kg
Ethiofencarb	<0.05 mg/kg
Ethiofencarb sulfone	<0.05 mg/kg
Ethiofencarb sulfoxide	<0.05 mg/kg
Ethion	<0.05 mg/kg
Ethiprole	<0.05 mg/kg
Ethirimol	<0.05 mg/kg
Ethofumesate	<0.05 mg/kg
Ethoprophos (Ethoprop)	<0.05 mg/kg
Etofenprox	<0.05 mg/kg
Etoxazole	<0.05 mg/kg

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<b>Project ID</b>	SUSTAIN_LA-20190520-0065	<b>Receipt Date</b>	20-May-2019
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<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Etrinfos	<0.05 mg/kg
Famoxadone	<0.05 mg/kg
Fenamidone	<0.05 mg/kg
Fenamiphos	<0.05 mg/kg
Fenamiphos sulfone	<0.05 mg/kg
Fenamiphos sulfoxide	<0.05 mg/kg
Fenarimol	<0.05 mg/kg
Fenazaquin	<0.05 mg/kg
Fenbuconazole	<0.05 mg/kg
Fenbutatin oxide	<0.05 mg/kg
Fenchlorphos (Ronnell)	<0.05 mg/kg
Fenchlorphos oxon	<0.05 mg/kg
Fenhexamid	<0.05 mg/kg
Fenitrothion	<0.05 mg/kg
Fenobucarb	<0.05 mg/kg
Fenoxanil (sum of isomers)	<0.05 mg/kg
Fenoxycarb	<0.05 mg/kg
Fenpropathrin	<0.05 mg/kg
Fenpropidin	<0.05 mg/kg
Fenpropimorph	<0.05 mg/kg
Fenpyroximate	<0.05 mg/kg
Fensulfothion	<0.05 mg/kg
Fensulfothion oxon	<0.05 mg/kg
Fensulfothion oxon sulfone	<0.05 mg/kg
Fensulfothion sulfone	<0.05 mg/kg
Fenthion	<0.05 mg/kg
Fenthion oxon	<0.05 mg/kg
Fenthion oxon sulfone	<0.05 mg/kg
Fenthion oxon sulfoxide	<0.05 mg/kg
Fenthion sulfone	<0.05 mg/kg
Fenthion sulfoxide	<0.05 mg/kg
Fentin	<0.05 mg/kg
Fentrazamide	<0.05 mg/kg
Fenuron	<0.05 mg/kg

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<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Fenvalerate/Esfenvalerate (sum of isomers)	<0.05 mg/kg
Fipronil	<0.05 mg/kg
Fipronil desulfinyl	<0.05 mg/kg
Fipronil sulfone	<0.05 mg/kg
Flazasulfuron	<0.05 mg/kg
Flonicamid	<0.05 mg/kg
Fluazifop-butyl	<0.05 mg/kg
Flucythrinate (sum of isomers)	<0.05 mg/kg
Fludioxonil	<0.05 mg/kg
Flufenacet	<0.05 mg/kg
Flufenoxuron	<0.05 mg/kg
Flumetsulam	<0.05 mg/kg
Flumioxazin	<0.05 mg/kg
Fluometuron	<0.05 mg/kg
Fluopicolide	<0.05 mg/kg
Fluopyram	<0.05 mg/kg
Fluoxastrobin	<0.05 mg/kg
Fluquinconazole	<0.05 mg/kg
Fluridone	<0.05 mg/kg
Flusilazole	<0.05 mg/kg
Flutolanil	<0.05 mg/kg
Flutriafol	<0.05 mg/kg
Fluvalinate tau- (sum of isomers)	<0.05 mg/kg
Fonofos	<0.05 mg/kg
Foramsulfuron	<0.05 mg/kg
Forchlorfenuron	<0.05 mg/kg
Formetanate hydrochloride	<0.05 mg/kg
Formothion	<0.05 mg/kg
Fosthiazate (sum of isomers)	<0.05 mg/kg
Fuberidazole	<0.05 mg/kg
Furalaxyl	<0.05 mg/kg
Furathiocarb	<0.05 mg/kg
Griseofulvin	<0.05 mg/kg
Halofenozide	<0.05 mg/kg

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<b>Lot Number</b>	S201748.5	<b>Login Date</b>	20-May-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Halosulfuron-methyl	<0.05 mg/kg
Haloxyfop-methyl	<0.05 mg/kg
HCH, alpha- (alpha-BHC)	<0.05 mg/kg
HCH, beta- (beta-BHC)	<0.05 mg/kg
HCH, delta- (delta-BHC)	<0.05 mg/kg
Heptachlor	<0.05 mg/kg
Heptachlor endo-epoxide	<0.05 mg/kg
Heptachlor exo-epoxide	<0.05 mg/kg
Hexachlorobenzene (HCB)	<0.05 mg/kg
Hexaconazole	<0.05 mg/kg
Hexaflumuron	<0.05 mg/kg
Hexazinone	<0.05 mg/kg
Hexythiazox	<0.05 mg/kg
Hydramethylnon	<0.05 mg/kg
Hydroprene, S- (sum of isomers)	<0.05 mg/kg
Imazalil	<0.05 mg/kg
Imazamethabenz-methyl	<0.05 mg/kg
Imazethapyr	<0.05 mg/kg
Imidacloprid	<0.05 mg/kg
Indoxacarb	<0.05 mg/kg
Ipconazole	<0.05 mg/kg
Iprovalicarb	<0.05 mg/kg
Isocarbamid	<0.05 mg/kg
Isocarbophos	<0.05 mg/kg
Isofenphos	<0.05 mg/kg
Isofenphos-methyl	<0.05 mg/kg
Isoprocab	<0.05 mg/kg
Isoprothiolane	<0.05 mg/kg
Isoproturon	<0.05 mg/kg
Isoxaben	<0.05 mg/kg
Isoxadifen-ethyl	<0.05 mg/kg
Isoxaflutole	<0.05 mg/kg
Isoxathion	<0.05 mg/kg
Kresoxim-methyl	<0.05 mg/kg

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## Certificate of Analysis

### Sustainable Labs Inc

1777 Sun Peak Dr  
Park City Utah 84098 United States

<b>Sample Name:</b>	<b>CBD 15mg Sleep</b>	<b>Eurofins Sample:</b>	<b>8469417</b>
<b>Project ID</b>	SUSTAIN_LA-20190520-0065	<b>Receipt Date</b>	20-May-2019
<b>PO Number</b>	NV7017758	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	S201748.5	<b>Login Date</b>	20-May-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Lactofen	<0.05 mg/kg
Lenacil	<0.05 mg/kg
Lindane (gamma-HCH, gamma-BHC)	<0.05 mg/kg
Linuron	<0.05 mg/kg
Lufenuron	<0.05 mg/kg
Malaoxon	<0.05 mg/kg
Malathion	<0.05 mg/kg
Mandipropamid	<0.05 mg/kg
Mecarbam	<0.05 mg/kg
Mepanipyrim	<0.05 mg/kg
Mepanipyrim-2-hydroxypropyl	<0.05 mg/kg
Mephosfolan	<0.05 mg/kg
Mesosulfuron-methyl	<0.05 mg/kg
Metaflumizone	<0.05 mg/kg
Metaxyl	<0.05 mg/kg
Metamitron	<0.05 mg/kg
Metazachlor	<0.05 mg/kg
Metconazole	<0.05 mg/kg
Methabenzthiazuron	<0.05 mg/kg
Methacrifos	<0.05 mg/kg
Methamidophos	<0.05 mg/kg
Methidathion	<0.05 mg/kg
Methiocarb	<0.05 mg/kg
Methiocarb sulfone	<0.05 mg/kg
Methiocarb sulfoxide	<0.05 mg/kg
Methomyl	<0.05 mg/kg
Methoprotryne	<0.05 mg/kg
Methoxychlor	<0.05 mg/kg
Methoxyfenozide	<0.05 mg/kg
Metobromuron	<0.05 mg/kg
Metolachlor	<0.05 mg/kg
Metolcarb	<0.05 mg/kg
Metosulam	<0.05 mg/kg
Metoxuron	<0.05 mg/kg

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<b>Project ID</b>	SUSTAIN_LA-20190520-0065	<b>Receipt Date</b>	20-May-2019
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<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Metrafenone	<0.05 mg/kg
Metribuzin	<0.05 mg/kg
Metsulfuron-methyl	<0.05 mg/kg
Mevinphos (E- and Z-isomers)	<0.05 mg/kg
Mexacarbate	<0.05 mg/kg
MGK 264 (sum of isomers)	<0.05 mg/kg
Mirex	<0.05 mg/kg
Molinate	<0.05 mg/kg
Monocrotophos	<0.05 mg/kg
Monolinuron	<0.05 mg/kg
Myclobutanil	<0.05 mg/kg
Naled (Dibrom)	<0.05 mg/kg
Naphthol, 1-	<0.05 mg/kg
Napropamide	<0.05 mg/kg
Neburon	<0.05 mg/kg
Nicosulfuron	<0.05 mg/kg
Nitenpyram	<0.05 mg/kg
Nitrofen	<0.05 mg/kg
Nonachlor, cis-	<0.05 mg/kg
Nonachlor, trans-	<0.05 mg/kg
Norflurazon	<0.05 mg/kg
Norflurazon-desmethyl	<0.05 mg/kg
Novaluron	<0.05 mg/kg
Nuarimol	<0.05 mg/kg
Ofurace	<0.05 mg/kg
Omethoate	<0.05 mg/kg
Oxadiazon	<0.05 mg/kg
Oxadixyl	<0.05 mg/kg
Oxamyl	<0.05 mg/kg
Oxamyl oxime	<0.05 mg/kg
Oxasulfuron	<0.05 mg/kg
Oxycarboxin	<0.05 mg/kg
Oxychlorane	<0.05 mg/kg
Oxydemeton-methyl	<0.05 mg/kg

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<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Oxyfluorfen	<0.05 mg/kg
Paclobutrazol	<0.05 mg/kg
Paraoxon	<0.05 mg/kg
Paraoxon-methyl	<0.05 mg/kg
Parathion	<0.05 mg/kg
Parathion-methyl	<0.05 mg/kg
Penconazole	<0.05 mg/kg
Pencycuron	<0.05 mg/kg
Pendimethalin	<0.05 mg/kg
Pentachloroaniline	<0.05 mg/kg
Pentachloroanisole	<0.05 mg/kg
Pentachlorobenzene	<0.05 mg/kg
Pentachlorobenzonitrile	<0.05 mg/kg
Pentachlorothioanisole	<0.05 mg/kg
Permethrin (sum of isomers)	<0.05 mg/kg
Perthane (Ethylan)	<0.05 mg/kg
Phenmedipham	<0.05 mg/kg
Phenthoate	<0.05 mg/kg
Phenylphenol, 2- (OPP)	<0.05 mg/kg
Phorate	<0.05 mg/kg
Phorate sulfone	<0.05 mg/kg
Phorate sulfoxide	<0.05 mg/kg
Phosalone	<0.05 mg/kg
Phosmet	<0.05 mg/kg
Phosmet oxon	<0.05 mg/kg
Phosphamidon (E- and Z-isomers)	<0.05 mg/kg
Phoxim	<0.05 mg/kg
Picolinafen	<0.05 mg/kg
Picoxystrobin	<0.05 mg/kg
Piperonyl butoxide	non-analyzable
Piperophos	<0.05 mg/kg
Pirimicarb	<0.05 mg/kg
Pirimicarb-desmethyl	<0.05 mg/kg
Pirimiphos-ethyl	<0.05 mg/kg

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<b>Sample Serving Size</b>		<b>Date Started</b>	21-May-2019
<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Pirimiphos-methyl	<0.05 mg/kg
Pirimiphos-methyl, N-desethyl-	<0.05 mg/kg
Prallethrin	non-analyzable
Pretilachlor	<0.05 mg/kg
Primisulfuron-methyl	<0.05 mg/kg
Prochloraz	<0.05 mg/kg
Procymidone	<0.05 mg/kg
Prodiamine	<0.05 mg/kg
Profenofos	<0.05 mg/kg
Profluralin	<0.05 mg/kg
Promecarb	<0.05 mg/kg
Prometon	<0.05 mg/kg
Prometryn	<0.05 mg/kg
Propamocarb	<0.05 mg/kg
Propanil	<0.05 mg/kg
Propaquizafop	<0.05 mg/kg
Propargite	<0.05 mg/kg
Propetamphos	<0.05 mg/kg
Propham	<0.05 mg/kg
Propiconazole (sum of isomers)	<0.05 mg/kg
Propoxur	<0.05 mg/kg
Propyzamide (Pronamide)	<0.05 mg/kg
Proquinazid	<0.05 mg/kg
Prosulfocarb	<0.05 mg/kg
Prothioconazole-desthio	<0.05 mg/kg
Prothiofos	<0.05 mg/kg
Pymetrozine	<0.05 mg/kg
Pyracarbolid	<0.05 mg/kg
Pyraclostrobin	<0.05 mg/kg
Pyraflufen-ethyl	<0.05 mg/kg
Pyrazophos	<0.05 mg/kg
Pyrethrum (total)	<0.50 mg/kg
Pyridaben	<0.05 mg/kg
Pyridalyl	<0.05 mg/kg

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<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Pyridaphenthion	<0.05 mg/kg
Pyridate	<0.05 mg/kg
Pyrifenoxy (E- and Z-isomers)	<0.05 mg/kg
Pyrimethanil	<0.05 mg/kg
Pyriproxyfen	<0.05 mg/kg
Pyroquilon	<0.05 mg/kg
Pyroxsulam	<0.05 mg/kg
Quinalphos	<0.05 mg/kg
Quinmerac	<0.05 mg/kg
Quinoclamine	<0.05 mg/kg
Quinoxifen	<0.05 mg/kg
Quintozene	<0.05 mg/kg
Quizalofop-ethyl	<0.05 mg/kg
Resmethrin (sum of isomers)	<0.05 mg/kg
Rimsulfuron	<0.05 mg/kg
Rotenone	<0.05 mg/kg
S421	<0.05 mg/kg
Schradan (Octamethylpyrophosphoramidate)	<0.05 mg/kg
Secbumeton	<0.05 mg/kg
Sethoxydim (E- and Z-isomers)	<0.05 mg/kg
Siduron	<0.05 mg/kg
Silthiofam	<0.05 mg/kg
Simazine	<0.05 mg/kg
Simeconazole	<0.05 mg/kg
Simetryn	<0.05 mg/kg
Spinetoram (spinosyns J and L)	<0.05 mg/kg
Spinosad (spinosyns A and D)	<0.05 mg/kg
Spirodiclofen	<0.05 mg/kg
Spiromesifen	<0.05 mg/kg
Spiromesifen enol	<0.05 mg/kg
Spirotetramat	<0.05 mg/kg
Spiroxamine (2 diastereoisomers)	<0.05 mg/kg
Sulfallate	<0.05 mg/kg
Sulfentrazone	<0.05 mg/kg

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<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Sulprofos	<0.05 mg/kg
Tebuconazole	<0.05 mg/kg
Tebufenozide	<0.05 mg/kg
Tebufenpyrad	<0.05 mg/kg
Tebupirimfos	<0.05 mg/kg
Tebuthiuron	<0.05 mg/kg
Tecnazene	<0.05 mg/kg
Teflubenzuron	<0.05 mg/kg
Tefluthrin	<0.05 mg/kg
Temephos	<0.05 mg/kg
Tepraloxydim (E- and Z-isomers)	<0.05 mg/kg
Terbacil	<0.05 mg/kg
Terbufos	<0.05 mg/kg
Terbufos sulfone	<0.05 mg/kg
Terbufos sulfoxide	<0.05 mg/kg
Terbumeton	<0.05 mg/kg
Terbuthylazine	<0.05 mg/kg
Terbutryn	<0.05 mg/kg
Tetrachloroaniline, 2,3,5,6-	<0.05 mg/kg
Tetrachloroanisole, 2,3,4,5-	<0.05 mg/kg
Tetrachlorvinphos	<0.05 mg/kg
Tetraconazole	<0.05 mg/kg
Tetradifon	<0.05 mg/kg
Thiabendazole	<0.05 mg/kg
Thiabendazole-5-hydroxy-	<0.05 mg/kg
Thiacloprid	<0.05 mg/kg
Thiamethoxam	<0.05 mg/kg
Thiazopyr	<0.05 mg/kg
Thidiazuron	<0.05 mg/kg
Thifensulfuron-methyl	<0.05 mg/kg
Thiobencarb (Benthiocarb)	<0.05 mg/kg
Thiodicarb	<0.05 mg/kg
Thiofanox	<0.05 mg/kg
Thiofanox sulfone	<0.05 mg/kg

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<b>Description</b>	BKCO-34		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>	
Thiofanox sulfoxide	<0.05 mg/kg
Thionazin (Zinophos)	<0.05 mg/kg
Thiophanate-methyl	<0.05 mg/kg
Tolclofos-methyl	<0.05 mg/kg
Tolfenpyrad	<0.05 mg/kg
Tolyfluanid	<0.05 mg/kg
Tralkoxydim	<0.05 mg/kg
Triadimefon	<0.05 mg/kg
Triadimenol	<0.05 mg/kg
Triasulfuron	<0.05 mg/kg
Triazophos	<0.05 mg/kg
Tribenuron-methyl	<0.05 mg/kg
Tribufos (DEF)	<0.05 mg/kg
Trichlorfon (Metrifonate)	<0.05 mg/kg
Trichloroanisole, 2,4,6-	<0.05 mg/kg
Tricyclazole	<0.05 mg/kg
Trietazine	<0.05 mg/kg
Trifloxystrobin	<0.05 mg/kg
Trifloxysulfuron	<0.05 mg/kg
Triflumizole	<0.05 mg/kg
Triflumuron	<0.05 mg/kg
Trifluralin	<0.05 mg/kg
Triforine	<0.05 mg/kg
Trimethacarb	<0.05 mg/kg
Triticonazole	<0.05 mg/kg
Uniconazole	<0.05 mg/kg
Vamidothion	<0.05 mg/kg
Vinclozolin	<0.05 mg/kg
Zoxamide	<0.05 mg/kg

Method References	Testing Location
Glyphosate and AMPA (GLY_AMP_A_S)	Food Integ. Innovation-Greenfield


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Method References	Testing Location
<p><b>Glyphosate and AMPA (GLY_AMPAS)</b></p> <p>Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".</p>	Food Integ. Innovation-Greenfield
<p><b>Multi-Residue Analysis for hemp products - 500+ compounds (PEST_HEMP)</b></p> <p><i>Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).</i></p> <p><i>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.</i></p> <p>List of the tested pesticides and their limits of quantification (LOQs) are available upon request.</p>	Food Integ. Innovation-Greenfield

Testing Location(s)	Released on Behalf of Eurofins by
<p><b>Food Integ. Innovation-Greenfield</b></p> <p>Eurofins Food Chemistry Testing US, Inc. 671 S. Meridian Road Greenfield IN 46140 800-675-8375</p>	<p><b>Karelyn Koehn - Manager</b></p> <div style="text-align: right;">  <p>2918.06</p> </div>

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