

STRAIGHT HEMP

CERTIFICATE OF ANALYSIS

PRODUCT:

Full Spectrum Hemp Oil

PRODUCTION DATE:

05/2021

BATCH/LOT:

ND210513

EXPIRATION DATE:

05/2023

INGREDIENTS:

Organic Hemp Seed Oil, Full Spectrum Hemp Extract, Hemp Terpenes

ADDITIVES:

none

EXCIPIENTS:

none

TEST	METHOD	SPECIFICATION	RESULTS
Strength & Composition			
Identity	Organoleptic	Conforming	PASS
Identity	UPLC/UV	Chemical Fingerprint	PASS
Total Cannabidiol (CBD) ⁱ	UPLC/UV	36.7 – 42.3 mg/g	38.6 mg/g ⁱⁱ
Total Tetrahydrocannabinol (THC)	UPLC/UV	NMT 0.30%	0.13%
Terpene assay ^{iv}	HS-GC/MS	n/e	5,677 ppm
Microbiological ^v			
Total Plate Count	USP 42	NMT 1,000 cfu/ml	PASS
Total Yeast & Mold	USP 42	NMT 100 cfu/ml	PASS
E. coli	USP 42	Absent	PASS
Salmonella	USP 42	Absent	PASS
Mycotoxins			
Alfatoxin B1	LCMS	NMT 20 ppb	PASS
Alfatoxin B2	LCMS	NMT 20 ppb	PASS
Alfatoxin G1	LCMS	NMT 20 ppb	PASS
Alfatoxin G2	LCMS	NMT 20 ppb	PASS
Ochratoxin	LCMS	NMT 20 ppb	PASS
Heavy Metals ^{vi}			
Arsenic (As)	ICP/MS	NMT 1.0 ppm	PASS
Cadmium (Cd)	ICP/MS	NMT 0.5 ppm	PASS
Lead (Pb)	ICP/MS	NMT 0.5 ppm	PASS
Mercury (Hg)	ICP/MS	NMT 0.1 ppm	PASS

 $^{^{\}rm i}$ Total CBD = CBD + (0.877*CBDa) to account for loss of acid group during decarboxylation

ii Corresponds to 35.7mg/ml

iii Total THC = THC + (0.877*THCa) to account for loss of acid group during decarboxylation

iv Sum of terpene assay (n=22)

^v Microbiological limits based on USP, WHO, and/or NSF/ANSI

vi Limits for As and Pb set below CA Prop 65 no significant risk level; Cd and Hg set below USP permitted daily exposure for 110lb body weight. Complies with 1 CCR 212-3



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INGREDIENTS: ADDITIVES:

Organic Hemp Seed Oil, Full Spectrum Hemp Extract, Hemp Terpenes

EXCIPIENTS:

none none

EST	METHOD	SPECIFICATION	RESULTS
esidual Solvents ^{vii}			
Acetone	GC-MS	Below MRL	PASS
Benzene	GC-MS	Below MRL	PASS
Butanes	GC-MS	Below MRL	PASS
Ethanol	GC-MS	Below MRL	PASS
Ethyl Acetate	GC-MS	Below MRL	PASS
Heptanes	GC-MS	Below MRL	PASS
Hexane	GC-MS	Below MRL	PASS
Isopropyl Alcohol	GC-MS	Below MRL	PASS
Methanol	GC-MS	Below MRL	PASS
Pentane	GC-MS	Below MRL	PASS
Propane	GC-MS	Below MRL	PASS
Toluene	GC-MS	Below MRL	PASS
Xylenes	GC-MS	Below MRL	PASS
esticides			
Multi-residue panel	UPLC-MS/MS	Below MRLviii	PASS

NMT = Not More Than

MRL = Method Reporting Limit

n/e = not established

David Cole

Director of Quality

vii 21 solvent panel also includes: 1,1-Dichlorothene, 1,2-Dichloroethane, Acetonitrile, Chloroform, Ethyl Ether, Ethylene Oxide; Methylene Chloride, Trichloroethylene.

viii 67 residue panel



CERTIFICATE OF ANALYSIS

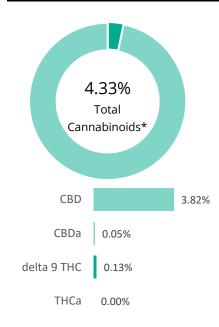
prepared for: Straight Hemp

5135 W 58th Ave, Unit 5 Arvada, CO 80002

Full Spectrum Hemp Oil

Batch ID:	ND210513	Test ID:	T000141024
Туре:	Concentrate	Submitted:	05/14/2021 @ 10:56 AM
Test:	Potency	Started:	5/17/2021
Method:	TM14	Reported:	5/18/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	0.13	1.3
Cannabidiolic acid (CBDA)	0.01	0.05	0.5
Cannabidiol (CBD)	0.01	3.82	38.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	ND	ND
Cannabigerolic acid (CBGA)	0.02	ND	ND
Cannabigerol (CBG)	0.00	0.10	1.0
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.00	0.02	0.2
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	0.21	2.1
Total Cannabinoids		4.33	43.3
Total Potential THC**	·	0.13	1.3
Total Potential CBD**		3.86	38.6

NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL



PREPARED BY / DATE

Tavlor Brevik 18-Mav-2021 2:27 PM

Daniel Wardonsand

Daniel Weidensaul 18-Mav-2021 3:06 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02





CERTIFICATE OF ANALYSIS

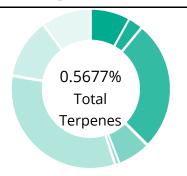
prepared for: Straight Hemp

5135 W 58th Ave, Unit 5 Arvada, CO 80002

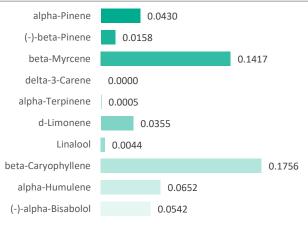
Full Spectrum Hemp Oil

Batch ID:	ND210513	Test ID:	T000141025
Туре:	Concentrate	Submitted:	05/14/2021 @ 10:56 AM
Test:	Terpenes	Started:	5/14/2021
Method:	TM22	Reported:	5/17/2021

TERPENE PROFILE



PREDOMINANT TERPENES



Compound	%(w/w)	mg/g		
(-)-alpha-Bisabolol	0.0542	0.542		
Camphene	0.0000	0.000		
delta-3-Carene	0.0000	0.000		
beta-Caryophyllene	0.1756	1.756		
(-)-Caryophyllene Oxide	0.0158	0.158		
p-Cymene	0.0000	0.000		
Eucalyptol	0.0049	0.049		
Geraniol	0.0000	0.000		
alpha-Humulene	0.0652	0.652		
(-)-Isopulegol	0.0000	0.000		
d-Limonene	0.0355	0.355		
Linalool	0.0044	0.044		
beta-Myrcene	0.1417	1.417		
cis-Nerolidol	0.0000	0.000		
trans-Nerolidol	0.0028	0.028		
Ocimene	0.0003	0.003		
beta-Ocimene	0.0020	0.020		
alpha-Pinene	0.0430	0.430		
(-)-beta-Pinene	0.0158	0.158		
alpha-Terpinene	0.0005	0.005		
gamma-Terpinene	0.0010	0.010		
Terpinolene	0.0050	0.050		
	0.5677	5.677		

NOTES:

N/A

FINAL APPROVAL

Daniel Westonaul

Daniel Weidensaul 17-May-2021 5:17 PM

Myon News

Rvan Weems 17-Mav-2021 5:19 PM

PREPARED BY / DATE APPROVED BY / DATE

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Certificate #4329.02







Full Spectrum Hemp Oil Sample Matrix: CBD/HEMP **Derivative Products** (Ingestion)



Certificate of Analysis

Compliance Test

STRAIGHT HEMP **5135 W 58TH AVE, UNIT 5 ARVADA, CO 80002**

Batch # ND210513 Batch Date: 2021-05-13 Extracted From: Hemp Sampling Method: MSP 7.3.1 Test Reg State: Florida

Production Facility: Straight Hemp **Production Date:** 2021-05-13

Order # STR210513-010058 Order Date: 2021-05-13 Sample # AABI730

Sampling Date: 2021-05-17 Lab Batch Date: 2021-05-17 Completion Date: 2021-05-24

Initial Gross Weight: 77.972 g

Heavy Metals

Specimen Weight: 247.680 mg

Passed (ICP-MS)

U	III	uti	0	n	H	ac	tc	r:	2	.U	U	U

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	
Arsenic (As)	100	1500	<l0q< td=""><td>Cadmium (Cd)</td><td>100</td><td>500</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Cadmium (Cd)	100	500	<l0q< td=""><td></td></l0q<>	
Lead (Ph)	100	500	<l00< td=""><td>Mercury (Ha)</td><td>100</td><td>3000</td><td><l00< td=""><td></td></l00<></td></l00<>	Mercury (Ha)	100	3000	<l00< td=""><td></td></l00<>	



Mycotoxins

Specimen Weight: 157.270 mg

Passed (LCMS)

Dilution Factor: 9.538

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	
Aflatoxin B1	6	20	<l0q< td=""><td>Aflatoxin B2</td><td>6</td><td>20</td><td><loq< td=""><td></td></loq<></td></l0q<>	Aflatoxin B2	6	20	<loq< td=""><td></td></loq<>	
Aflatoxin G1	6	20	<l0q< td=""><td>Aflatoxin G2</td><td>6</td><td>20</td><td><loq< td=""><td></td></loq<></td></l0q<>	Aflatoxin G2	6	20	<loq< td=""><td></td></loq<>	
Ochratoxin A	12	20	<l0q< td=""><td></td><td></td><td></td><td></td><td></td></l0q<>					

Xueli Gao

Lab Director/Principal Scientist Aixia Sun D.H.Sc., M.Sc., B.Sc., MT (AAB)

Ph.D. DART

drul

Lab Toxicologist





Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milliligrams per Milliliter, LOQ = Limit of Detection, Divino = Dilution Teactor (ppb) = Parts per Billilion, (%) = Percent, (cfl/g) = Colony Forming Unit per Gram (cfl/g) = Colony Forming Unit per Gram (cfl/g) = Colony Forming Unit per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%







License No. 800025015 FL License # CMTL-0003 **CLIA No.** 10D1094068



Full Spectrum Hemp Oil Sample Matrix: CBD/HEMP **Derivative Products** (Ingestion)



Certificate of Analysis

Compliance Test

STRAIGHT HEMP **5135 W 58TH AVE, UNIT 5 ARVADA, CO 80002**

Batch # ND210513 Batch Date: 2021-05-13 Extracted From: Hemp Sampling Method: MSP 7.3.1 Test Reg

State: Florida

Production Facility: Straight Hemp **Production Date:** 2021-05-13

Order # STR210513-010058 Order Date: 2021-05-13 Sample # AABI730

Sampling Date: 2021-05-17 Lab Batch Date: 2021-05-17 Completion Date: 2021-05-24

Initial Gross Weight: 77.972 g

Pesticides FL V4

Specimen Weight: 157.270 mg

Passed (LCMS/GCMS)

Dilation i doton Floor								
Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	
Abamectin	28.23	300	<l0q< td=""><td>Acephate</td><td>30</td><td>3000</td><td><loq< td=""><td></td></loq<></td></l0q<>	Acephate	30	3000	<loq< td=""><td></td></loq<>	
Acequinocyl	48	2000	<loq< td=""><td>Acetamiprid</td><td>30</td><td>3000</td><td><loq< td=""><td></td></loq<></td></loq<>	Acetamiprid	30	3000	<loq< td=""><td></td></loq<>	
Aldicarb	30	100	<loq< td=""><td>Azoxystrobin</td><td>10</td><td>3000</td><td><loq< td=""><td></td></loq<></td></loq<>	Azoxystrobin	10	3000	<loq< td=""><td></td></loq<>	
Bifenazate	30	3000	<loq< td=""><td>Bifenthrin</td><td>30</td><td>500</td><td><loq< td=""><td></td></loq<></td></loq<>	Bifenthrin	30	500	<loq< td=""><td></td></loq<>	
Boscalid	10	3000	<loq< td=""><td>Captan</td><td>30</td><td>3000</td><td><loq< td=""><td></td></loq<></td></loq<>	Captan	30	3000	<loq< td=""><td></td></loq<>	
Carbaryl	10	500	<l0q< td=""><td>Carbofuran</td><td>10</td><td>100</td><td><loq< td=""><td></td></loq<></td></l0q<>	Carbofuran	10	100	<loq< td=""><td></td></loq<>	
Chlorantraniliprole	10	3000	<l0q< td=""><td>Chlordane</td><td>10</td><td>100</td><td><loq< td=""><td></td></loq<></td></l0q<>	Chlordane	10	100	<loq< td=""><td></td></loq<>	
Chlorfenapyr	30	100	<l0q< td=""><td>Chlormequat Chloride</td><td>10</td><td>3000</td><td><loq< td=""><td></td></loq<></td></l0q<>	Chlormequat Chloride	10	3000	<loq< td=""><td></td></loq<>	
Chlorpyrifos	30	100	<loq< td=""><td>Clofentezine</td><td>30</td><td>500</td><td><loq< td=""><td></td></loq<></td></loq<>	Clofentezine	30	500	<loq< td=""><td></td></loq<>	
Coumaphos	48	100	<loq< td=""><td>Cyfluthrin</td><td>30</td><td>1000</td><td><loq< td=""><td></td></loq<></td></loq<>	Cyfluthrin	30	1000	<loq< td=""><td></td></loq<>	
Cypermethrin	30	1000	<loq< td=""><td>Daminozide</td><td>30</td><td>100</td><td><loq< td=""><td></td></loq<></td></loq<>	Daminozide	30	100	<loq< td=""><td></td></loq<>	
Diazinon	30	200	<l0q< td=""><td>Dichlorvos</td><td>30</td><td>100</td><td><loq< td=""><td></td></loq<></td></l0q<>	Dichlorvos	30	100	<loq< td=""><td></td></loq<>	
Dimethoate	30	100	<l0q< td=""><td>Dimethomorph</td><td>48</td><td>3000</td><td><loq< td=""><td></td></loq<></td></l0q<>	Dimethomorph	48	3000	<loq< td=""><td></td></loq<>	
Ethoprophos	30	100	<l0q< td=""><td>Etofenprox</td><td>30</td><td>100</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Etofenprox	30	100	<l0q< td=""><td></td></l0q<>	
Etoxazole	30	1500	<l0q< td=""><td>Fenhexamid</td><td>10</td><td>3000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Fenhexamid	10	3000	<l0q< td=""><td></td></l0q<>	
Fenoxycarb	30	100	<l0q< td=""><td>Fenpyroximate</td><td>30</td><td>2000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Fenpyroximate	30	2000	<l0q< td=""><td></td></l0q<>	
Fipronil	30	100	<l0q< td=""><td>Flonicamid</td><td>30</td><td>2000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Flonicamid	30	2000	<l0q< td=""><td></td></l0q<>	
Fludioxonil	48	3000	<l0q< td=""><td>Hexythiazox</td><td>30</td><td>2000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Hexythiazox	30	2000	<l0q< td=""><td></td></l0q<>	
Imazalil	30	100	<l0q< td=""><td>lmidaclo prid</td><td>30</td><td>3000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	lmidaclo prid	30	3000	<l0q< td=""><td></td></l0q<>	
Kresoxim Methyl	30	1000	<l0q< td=""><td>Malathion</td><td>30</td><td>2000</td><td><loq< td=""><td></td></loq<></td></l0q<>	Malathion	30	2000	<loq< td=""><td></td></loq<>	
Metalaxyl	10	3000	<l0q< td=""><td>Methiocarb</td><td>30</td><td>100</td><td><loq< td=""><td></td></loq<></td></l0q<>	Methiocarb	30	100	<loq< td=""><td></td></loq<>	
Methomyl	30	100	<l0q< td=""><td>methyl-Parathion</td><td>10</td><td>100</td><td><loq< td=""><td></td></loq<></td></l0q<>	methyl-Parathion	10	100	<loq< td=""><td></td></loq<>	
Mevinphos	10	100	<l0q< td=""><td>Myclobutanil</td><td>30</td><td>3000</td><td><loq< td=""><td></td></loq<></td></l0q<>	Myclobutanil	30	3000	<loq< td=""><td></td></loq<>	
Naled	30	500	<l0q< td=""><td>Oxamyl</td><td>30</td><td>500</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Oxamyl	30	500	<l0q< td=""><td></td></l0q<>	
Paclobutrazol	30	100	<loq< td=""><td>Pentachloronitrobenzene</td><td>10</td><td>200</td><td><l0q< td=""><td></td></l0q<></td></loq<>	Pentachloronitrobenzene	10	200	<l0q< td=""><td></td></l0q<>	
Permethrin	30	1000	<l0q< td=""><td>Phosmet</td><td>30</td><td>200</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Phosmet	30	200	<l0q< td=""><td></td></l0q<>	
Piperonylbutoxide	30	3000	<l0q< td=""><td>Prallethrin</td><td>30</td><td>400</td><td><loq< td=""><td></td></loq<></td></l0q<>	Prallethrin	30	400	<loq< td=""><td></td></loq<>	
Propiconazole	30	1000	<l0q< td=""><td>Propoxur</td><td>30</td><td>100</td><td><loq< td=""><td></td></loq<></td></l0q<>	Propoxur	30	100	<loq< td=""><td></td></loq<>	
Pyrethrins	30	1000	<l0q< td=""><td>Pyridaben</td><td>30</td><td>3000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Pyridaben	30	3000	<l0q< td=""><td></td></l0q<>	
Spinetoram	10	3000	<l0q< td=""><td>Spino sad</td><td>30</td><td>3000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Spino sad	30	3000	<l0q< td=""><td></td></l0q<>	
Spiromesifen	30	3000	<l0q< td=""><td>Spirotetramat</td><td>30</td><td>3000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Spirotetramat	30	3000	<l0q< td=""><td></td></l0q<>	
Spiroxamine	30	100	<l0q< td=""><td>Tebuconazole</td><td>30</td><td>1000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Tebuconazole	30	1000	<l0q< td=""><td></td></l0q<>	
Thiacloprid	30	100	<l0q< td=""><td>Thiamethoxam</td><td>30</td><td>1000</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Thiamethoxam	30	1000	<l0q< td=""><td></td></l0q<>	
Trifloxystrobin	30	3000	<l0q< td=""><td></td><td></td><td></td><td></td><td></td></l0q<>					

Xueli Gao Ph.D. DART

and

Lab Toxicologist

Lab Director/Principal Scientist

Aixia Sun D.H.Sc., M.Sc., B.Sc., MT (AAB)





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Full Spectrum Hemp Oil Sample Matrix: CBD/HEMP Derivative Products (Ingestion)



Passed (LCMS)

Certificate of Analysis

Compliance Test

STRAIGHT HEMP 5135 W 58TH AVE, UNIT 5 Batch # ND210513 Batch Date: 2021-05-13 Extracted From: Hemp

<L0Q

Sampling Method: MSP 7.3.1 Test Reg

State: Florida

Production Facility: Straight Hemp **Production Date:** 2021-05-13

ARVADA, CO 80002

Order # STR210513-010058 Order Date: 2021-05-13 Sample # AABI730

Paraquat

Sampling Date: 2021-05-17 **Lab Batch Date:** 2021-05-17 **Completion Date:** 2021-05-24

Initial Gross Weight: 77.972 g

Additional Pesticides
Specimen Weight: N/A

Analyte		LOQ (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Result (ppb)
Diquat		24	<l0q< td=""><td>Glyphosate</td><td>24</td><td><loq< td=""></loq<></td></l0q<>	Glyphosate	24	<loq< td=""></loq<>

Xueli Gao

Lab Toxicologist

Aixia Sun Lab Director/Principal Scientist

D.H.Sc., M.Sc., B.Sc., MT (AAB)







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License No. 800025015 FL License # CMTL-0003 **CLIA No.** 10D1094068



Full Spectrum Hemp Oil Sample Matrix: CBD/HEMP **Derivative Products** (Ingestion)

5.83

2.92



Certificate of Analysis

Compliance Test

STRAIGHT HEMP 5135 W 58TH AVE, UNIT 5 ARVADA, CO 80002

Batch # ND210513 Batch Date: 2021-05-13 Extracted From: Hemp

5000

890

80

<LOQ

<L0Q

<LOQ

Sampling Method: MSP 7.3.1 Test Reg

State: Florida

Production Facility: Straight Hemp **Production Date:** 2021-05-13

<LOQ

<L0Q

Order # STR210513-010058 Order Date: 2021-05-13 Sample # AABI730

Sampling Date: 2021-05-17 **Lab Batch Date:** 2021-05-17 **Completion Date:** 2021-05-24

Initial Gross Weight: 77.972 g

Pentane

Toluene

Trichloroethylene

Residual Solvents - FL (CBD)

2.08

2.92

0.49

Specimen Weight: 14.300 mg

Passed (GCMS)

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<l0q< td=""><td>1,2-Dichloroethane</td><td>0.04</td><td>5</td><td><loq< td=""></loq<></td></l0q<>	1,2-Dichloroethane	0.04	5	<loq< td=""></loq<>
Acetone	2.08	5000	<loq< td=""><td>Acetonitrile</td><td>1.17</td><td>410</td><td><loq< td=""></loq<></td></loq<>	Acetonitrile	1.17	410	<loq< td=""></loq<>
Benzene	0.02	2	<loq< td=""><td>Butanes</td><td>2.5</td><td>2000</td><td><loq< td=""></loq<></td></loq<>	Butanes	2.5	2000	<loq< td=""></loq<>
Chloroform	0.04	60	<l0q< td=""><td>Ethanol</td><td>2.78</td><td>5000</td><td><loq< td=""></loq<></td></l0q<>	Ethanol	2.78	5000	<loq< td=""></loq<>
Ethyl Acetate	1.11	5000	<loq< td=""><td>Ethyl Ether</td><td>1.39</td><td>5000</td><td><loq< td=""></loq<></td></loq<>	Ethyl Ether	1.39	5000	<loq< td=""></loq<>
Ethylene Oxide	0.1	5	<l0q< td=""><td>Heptane</td><td>1.39</td><td>5000</td><td><loq< td=""></loq<></td></l0q<>	Heptane	1.39	5000	<loq< td=""></loq<>
Hexane	1.17	290	<l0q< td=""><td>Isopropyl alcohol</td><td>1.39</td><td>500</td><td><loq< td=""></loq<></td></l0q<>	Isopropyl alcohol	1.39	500	<loq< td=""></loq<>
Methanol	0.69	3000	<loq< td=""><td>Methylene chloride</td><td>2.43</td><td>600</td><td><l0q< td=""></l0q<></td></loq<>	Methylene chloride	2.43	600	<l0q< td=""></l0q<>

Propane

Total Xylenes

drul Xueli Gao

Ph.D. DART

 $\mathcal{O}_{\mathcal{C}}$ Lab Toxicologist

Lab Director/Principal Scientist Aixia Sun

D.H.Sc., M.Sc., B.Sc., MT (AAB)







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License No. 800025015 FL License # CMTL-0003 **CLIA No.** 10D1094068



Full Spectrum Hemp Oil Sample Matrix: CBD/HEMP **Derivative Products** (Ingestion)



Certificate of Analysis

Compliance Test

STRAIGHT HEMP **5135 W 58TH AVE, UNIT 5 ARVADA, CO 80002**

Order # STR210513-010058 Order Date: 2021-05-13 Sample # AABI730

Batch # ND210513 Batch Date: 2021-05-13 Extracted From: Hemp

Sampling Method: MSP 7.3.1 Test Reg State: Florida

Production Facility: Straight Hemp **Production Date:** 2021-05-13

Sampling Date: 2021-05-17 Lab Batch Date: 2021-05-17 Completion Date: 2021-05-24 Initial Gross Weight: 77.972 g

Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1022.430 mg

Passed (Micro Array)

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)	
Aspergillus flavus	Absence in 1g	Aspergillus fumigatus	Absence in 1g	
Aspergillus niger	Absence in 1g	Aspergillus terreus	Absence in 1 g	
Salmonella	Absence in 1g	STEC E. Coli	Absence in 1 g	



Listeria Monocytogenes

Specimen Weight: 1018.300 mg

Passed (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1 g

drul Xueli Gao Ph.D. DART

Lab Toxicologist

Lab Director/Principal Scientist Aixia Sun

D.H.Sc., M.Sc., B.Sc., MT (AAB)





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CLIA No. 10D1094068



Full Spectrum Hemp Oil Sample Matrix: CBD/HEMP Derivative Products (Ingestion)



Certificate of Analysis

Compliance Test

STRAIGHT HEMP 5135 W 58TH AVE, UNIT 5 ARVADA, CO 80002 Batch # ND210513 Batch Date: 2021-05-13 Extracted From: Hemp Sampling Method: MSP 7.3.1 Test Reg

State: Florida

Production Facility: Straight Hemp **Production Date:** 2021-05-13

ite: Florida

Order # STR210513-010058 Order Date: 2021-05-13 Sample # AABI730 Sampling Date: 2021-05-17 Lab Batch Date: 2021-05-17 Completion Date: 2021-05-24 Initial Gross Weight: 77.972 g

Microbiology (Petrifilm/Plating)

Specimen Weight: 1000.390 mg

Tested (Petrifilm)

Dilution Factor: 100.000

Analyte	LOQ (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	200.000	E. Coli / Coliform	10	<100
Yeast/Mold	10	<100			

4

Flavonoids

Specimen Weight: 19.300 mg

Tested (LCMS)

Dilution Factor: 10.000

Analyte	Dilution (1:n)	LOQ (ppm)	Result (ppm)	Analyte	Dilution (1:n)	LOQ (ppm)	Result (ppm)	
Apigenin	0.100	4	<l0q< td=""><td>Baicalin</td><td>0.100</td><td>8</td><td><loq< td=""><td></td></loq<></td></l0q<>	Baicalin	0.100	8	<loq< td=""><td></td></loq<>	
beta sitosterol	10.000	5	1155.000	Cannflavin A	0.100	3.91	<loq< td=""><td></td></loq<>	
Cannflavin B	0.100	4.84	<l0q< td=""><td>Cannflavin C</td><td>0.100</td><td>2.36</td><td><loq< td=""><td></td></loq<></td></l0q<>	Cannflavin C	0.100	2.36	<loq< td=""><td></td></loq<>	
Chrysin	0.100	2.5	<l0q< td=""><td>Fisetin</td><td>0.100</td><td>5</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Fisetin	0.100	5	<l0q< td=""><td></td></l0q<>	
Kaempferol	0.100	1	<l0q< td=""><td>Luteolin</td><td>0.100</td><td>2.5</td><td><loq< td=""><td></td></loq<></td></l0q<>	Luteolin	0.100	2.5	<loq< td=""><td></td></loq<>	
Orientin	0.100	5	<l0q< td=""><td>Quercetin</td><td>0.100</td><td>2.23</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Quercetin	0.100	2.23	<l0q< td=""><td></td></l0q<>	
Rutin	0.100	7.81	<l0q< td=""><td>Vitexin</td><td>0.100</td><td>4</td><td><l0q< td=""><td></td></l0q<></td></l0q<>	Vitexin	0.100	4	<l0q< td=""><td></td></l0q<>	
Wogonin	0.100	0.5	<l0q< td=""><td></td><td></td><td></td><td></td><td></td></l0q<>					

Xueli Gao

drul

Lab Toxicologist

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KML Laboratories, Inc.



261 Great Northern Road Bonners Ferry, Idaho 83805 Phone: 208-267-0818 Fax: 208-267-0878

Email: Info@kmlmicro.com

Certificate of Analysis

Straight Hemp 5135 W. 58th Ave, Ste 5

Arvada, CO 80002 Phone: 970-214-7814 Invoice Number: 21.0650

PO Number:

Received Date: 05/14/2021 Number of Samples: 01

Project Name: Routine Testing

Microbiology Report:

Lab #: 21-5177	Sample Lot: ND210513	Sample Date:
Sample Name: Full Spectrum Hemp Oil	Additional ID:	Plated Date: 05/14/2021
Qualifying Material Number: No QM		4.7

Test Performed	Results	Units	Detection Limit	Method	Date Analyzed
Aerobic Plate Count	nd	cfu/ml	10	USP 42-NF 37 <2021>	05/17/2021
Coliforms	nd	cfu/ml	10	Bam C4 sec G	05/15/2021
E. coli	absent	P/A	1	USP 42-NF 37 <2022>	05/18/2021
Staph aureus	absent	P/A	1	USP 42-NF 37 <2022>	05/18/2021
Yeast	nd	cfu/ml	10	USP 42-NF 37 <2021>	05/19/2021
Mold	nd	cfu/ml	10	USP 42-NF 37 <2021>	05/19/2021
Salmonella	absent	P/A	1	USP 42-NF 37 <2022>	05/19/2021
Pseudo. aeruginosa	absent	P/A	1	USP 42-NF 37 <m62></m62>	05/18/2021

Approved By: QA Director SMV 05/19/2021

Mallow

Companies



Page 1 of 2

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21.0650

PO Number:

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Number of Samples: 01

Project Name: Routine Testing

Microbiology Report:

Lab #: Control 05142021	Additional ID: Negative Control Purposes	Plated Date: 05/14/2021
Sample Name: Control 05142021		
Qualifying Material Number: QM-06-001		

Test Performed	Results	Units	Detection Limit	Method	Date Analyzed
Aerobic Plate Count	nd	cfu/ml	10	USP 42-NF 37 <2021>	05/17/2021
Coliforms	nd	cfu/ml	10	Bam C4 sec G	05/15/2021
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Yeast	nd	cfu/ml	10	USP 42-NF 37 <2021>	05/19/2021
Mold	nd	cfu/ml	10	USP 42-NF 37 <2021>	05/19/2021
Salmonella	absent	P/A	1 .	USP 42-NF 37 <2022>	05/18/2021
Pseudo. aeruginosa	absent	P/A	1	USP 42-NF 37 <m62></m62>	05/17/2021

200 Mering Companies with Approved By: QA Director SMV 05/19/2021



Page 2 of 2

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