



Batch Information			
Product Name	1800mg CBD/A hemp oil – full spectrum		
Product Description	1800mg full spectrum cannabinoids with CBDA carried in MCT coconut oil with natural lemon oil flavoring in a 30ml cobalt blue glass bottle		
Lot Number	TGM18003099-4102		
Expiration Date	April 2021		
Date of Production	September 24, 2019		
Batch Size	60,270 ml	Quantity produced	2009 bottles

Raw Ingredients		
Ingredient	Manufacturer	Lot Number
Full spectrum cannabinoids	RAD Extraction	714, 715, 717, 724, #5 Gold
Full spectrum cannabinoids	RAD Extraction	738, #5 Gold CBDA
MCT coconut oil	RAD Extraction	C190122-2N
Natural lemon oil	Lorann Oils	A0502

This product has been laboratory tested for potency with total cannabinoid concentration within +15% of targeted concentration while also containing no more than 0.3% THC, confirmed by an accredited third-party laboratory. The product does not contain pesticides, residual solvents, heavy metals or microbial contaminants. Product is manufactured in accordance with cGMP and FDA regulations 21CFR111.



Signature, Production Manager

9/24/19

Date

Manufactured by LifePatent at:

RAD Extraction
860 Commercial Lane
Palmer Lake, CO 80133
719-354-4617
www.radextraction.com

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

Certificate of Analysis

LifePatent

1056 Kennett Way
West Chester Pennsylvania 19380 United States

Sample Name:	1800 mg CBDA	Eurofins Sample:	8922890
Project ID	LIFEPATENT-20191015-0002	Receipt Date	15-Oct-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	15-Oct-2019
		Date Started	22-Oct-2019

Analysis	Result
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Industrial Hemp Cannabinoid Profile

CBDVA	<0.00250 %
CBDV	0.00616 %
CBDA	2.68 %
CBGA	0.0417 %
CBG	0.0456 %
CBD	3.37 %
THCV	<0.00250 %
CBN	0.00771 %
Delta 9-THC	0.199 %
Delta 8-THC	<0.00500 %
THCA	0.0231 %
CBC	0.180 %
Total Cannabinoids	6.55 %
Total THC (THC + (THCA x 0.877))	0.219 %
Total CBD (CBD + (CBDA x 0.877))	5.72 %

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



CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Certificate of Analysis

Customer: LifePatent, Inc.
7639 Leesburg Pike
Falls Church, VA 20191

Sample ID:
Genetic Variety: Full Spectrum Extract
Sample Type: Oil
Batch ID: REFS110819
Collected Date:
Received Date: 11/14/2019
COA Released: 11/21/2019

HEAVY METALS

Analyte	LOQ	Result	Units
Arsenic	0.5	<LOQ	ppm
Cadmium	0.5	<LOQ	ppm
Lead	0.5	<LOQ	ppm
Mercury	3.0	<LOQ	ppm

APPROVED BY

11/21/2019

DATE

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Received Date: 11/14/2019
COA Released: 11/25/2019

MICROBIALS

Parameter	Result
STEC (E. coli)	Negative
Salmonella	Negative
Listeria spp.	Negative
L. monocytogenes	Negative
Yeast/Mold	0 CFUs*

*CFU = Colony Forming Unit

WATER ACTIVITY

Temperature	Result
Not Tested	Not Tested

MOISTURE

Moisture %	Not Tested
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11/25/2019

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MYCOTOXINS

ANALYTE	LOQ ppm	Result ppm
Aflatoxin-G2	0.010	ND
Aflatoxin-G1	0.010	ND
Aflatoxin-B2	0.010	ND
Aflatoxin-B1	0.010	ND
Ochratoxin-A	0.010	ND

ND - Analyte is less than the limit of detection

<LOQ - Analyte is above the limit of detection but less than the limit of quantification

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PESTICIDES

ANALYTE	LOQ ppm	Result ppm	ANALYTE	LOQ ppm	Result ppm	ANALYTE	LOQ ppm	Result ppm
Daminozide	0.010	ND	Chlorantraniliprole	0.010	ND	Trifloxystrobin	0.010	ND
Acephate	0.010	ND	Spiroxamine-1	0.010	ND	Prallethrin	0.010	ND
Oxamyl	0.010	ND	Azoxystrobin	0.010	ND	Piperonyl Butoxide	0.010	ND
Methomyl	0.010	ND	Methiocarb	0.010	ND	Chlorpyrifos	0.010	ND
Thiamethoxam	0.010	ND	Malathion	0.010	ND	Hexythiazox	0.010	ND
Imidacloprid	0.010	ND	Myclobutanil	0.010	ND	Etoxazole	0.010	ND
Dimethoate	0.010	ND	Paclbutrazol	0.010	ND	Spiromesifen	0.010	ND
Acetamiprid	0.010	ND	Bifenazate	0.010	ND	Pyrethrin I	0.010	ND
Thiacloprid	0.010	ND	Spirotetramat	0.010	ND	Fenpyroximate	0.010	ND
Aldicarb	0.010	ND	Fenoxycarb	0.010	ND	Pyridaben	0.010	ND
Dichlorvos	0.010	ND	Ethoprophos	0.010	ND	Permethrins	0.010	ND
Carbofuran	0.010	ND	Tebuconazole	0.010	ND	AbamectinB1a	0.010	ND
Propoxur	0.010	ND	Kresoxym-methyl	0.010	ND	Etofenprox	0.010	ND
Carbaryl	0.010	ND	Spinosyn A	0.010	ND	Bifenthrin	0.010	ND
Imazalil	0.010	ND	Diazinon	0.010	ND	Fonicamid	0.010	ND
Naled	0.010	ND	Propiconazole	0.010	ND	Fludioxonil	0.010	ND
Metalaxyl	0.010	ND	Clofentezine	0.010	ND			

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Residual Solvents

ANALYTE	LOQ ug/g	Result ug/g
Methanol	62.5	<LOQ
Methylbutane	87.5	<LOQ
Ethanol	87.5	<LOQ
n-Pentane	87.5	<LOQ
Ether	87.5	<LOQ
Acetone	175	<LOQ
2-Propanol	87.5	<LOQ
Acetonitrile	30.75	<LOQ
Methylene Chloride	45	<LOQ
2-Methylpentane	21.75	<LOQ
3-Methylpentane	21.75	<LOQ
n-Hexane	21.75	<LOQ
Ethyl Acetate	43.75	<LOQ
2-Butanol	175	<LOQ
Tetrahydrofuran	54	<LOQ
Cyclohexane	145.5	<LOQ
Isopropyl Acetate	87.5	<LOQ
n-Heptane	87.5	<LOQ
1,4 Dioxane	14.25	<LOQ
2-Ethoxyethanol	12	<LOQ
Toluene	33.375	<LOQ
Ethylbenzene	81.375	<LOQ
m+p-Xylene	162.75	<LOQ
o-Xylene	81.375	<LOQ

Shelby Grinnon

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11/21/2019

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