

# PURE GOLD LIQUID 1000 MG CBD

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

## Cannabinoid Profile & Potency

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

ID	Weight %	Conc.
Δ9-THC	ND	ND
THCV	ND	ND
CBD	0.91 wt %	8.71 mg/mL
CBDV	ND	ND
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
<b>Total</b>	<b>0.91 wt%</b>	<b>8.71 mg/mL</b>
<b>Max THC</b>	<b>-</b>	<b>-</b>
<b>Max CBD</b>	<b>0.91 wt%</b>	<b>8.71 mg/mL</b>

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation:  $\text{Max THC} = (0.877 \times \text{THCA}) + \text{THC}$ .

## Microbiological Results

Tests Performed	Plated on	Results (CFU/G)	Detection Limit (CFU/G)	Method	Date Analyzed
Total Aerobic Plate Count	12/20/17	< 10	< 10	3M Petrifilm	12/22/17
Total Yeast and Mold	12/20/17	< 10	< 10	3M Petrifilm	12/22/17
Coliforms	NR				
E. coli	12/20/17	Negative	N/A	3M Petrifilm	12/22/17
S. aureus	NR				
Salmonella	NR				
P. aeruginosa	NR				
Enterobacteriaceae	NR				

## CERTIFICATE OF ANALYSIS

**LOT #: 25472**

## PURE CBD LIQUID

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

### *Cannabinoid Profile & Potency*

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

ID	Weight %	Conc.
D9-THC	ND	ND
THCV	ND	ND
CBD	0.88 wt %	8.59 mg/mL
DBDV	ND	ND
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
Total	0.88 wt %	8.59 mg/mL
Max THC	-	-
Max CBD	0.88 wt %	8.59 mg/mL

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC= (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

### *Microbiological*

Analysis	Results	Units	Limits*	Status
Aerobic Bacterial Count	<100	CFU/g	100,000 CFU/g	PASS
Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
Yeast & Mold	N/A	NA	100,000 CFU/g	PASS
E. Coli (O157)	Negative	NA	None Detected	PASS
Salmonella	Negative	NA	None Detected	PASS

## CERTIFICATE OF ANALYSIS

**LOT #: APM18071**

**PURE CBD LIQUID**

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

**Heavy Metal Analysis**

Metal	Conc.	Units	MDL	All	Ingestion	Units	Status
Arsenic	ND	µg/kg	4	200	1500	µg/kg	PASS
Cadmium	ND	µg/kg	1	200	500	µg/kg	PASS
Mercury	ND	µg/kg	2	100	1500	µg/kg	PASS
Lead	ND	µg/kg	2	500	1000	µg/kg	PASS

**CERTIFICATE OF ANALYSIS**

LOT #: APM18071

# PREMIUM HUMULUS OIL

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

## Analytical Results

**ANALYSIS:** POTENCY (HPLC-DIODE ARRAY DETECTOR)  
**METHOD:** AMERICAN HERBAL PHARMACOPOEIA

## FINDINGS

mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g
CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	THC	THCA	THCV	THCδ8
ND	8.35	ND	ND	ND	ND	ND	ND	ND	ND	ND

**ESTIMATED DETECTION LIMIT: 1 MG/G**

## Microbials Test Method: PCR-SOP 401

Analyte	Presence	Status
Aspergillus flavus	Not Detected	PASS
Aspergillus fumigatus	Not Detected	PASS
Aspergillus niger	Not Detected	PASS
Aspergillus Terreus	Not Detected	PASS
Shiga toxin-producing	Not Detected	PASS
E. Coli	Not Detected	PASS
Salmonella	Not Detected	PASS

# CERTIFICATE OF ANALYSIS

**LOT #: 15532**

## PREMIUM HUMULUS OIL

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

### Terpene Profile

**ANALYSIS:** TERPENE PROFILE (GC)  
**METHOD:** AMERICAN HERBAL PHARMACOPOEIA

ANALYTE	%
a-Pinene	ND
Camphene	ND
b-Myrcene	ND
b-Pinene	ND
d 3-Carene	ND
Limonene	BLOQ
a-Terpinene	ND
Ocimene 1	ND
Ocimene2	ND
p-Cymene	ND
Eucalyptol	ND
Y-Terpinene	ND
Terpinolene	ND
Linalool	ND
Isopulegol	ND
Menthol	ND
(-) Borneol	ND
Terpineol	ND
Citronellol	ND
Geraniol	ND
b-Caryophyllene	0.8128
a-Humelene	0.0017
Nerolidol 1	ND
Nerolidol 2	ND
Guaiol	ND
Caroyphyllene OX	BLOQ
a-Bisabolol	ND
Eudesmol	ND

**TOTAL** **0.8145**

### ADDITIONAL INFORMATION

Below Limit of Quantitation: BLOQ None Detected: ND Detection Limit= 0.0015% Instrument: GC-MS

## CERTIFICATE OF ANALYSIS

# PREMIUM HUMULUS OIL

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

**Solvents** Test Method: HSGCMS-SOP 202 LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Units (ppm)	Status
1,2-Dichloro-Ethane	0.100	30.000	0.100	ND	PASS
Acetone	3.800	250.000	500.000	ND	PASS
Acetonitrile	0.500	1.000	410.000	ND	PASS
Benzene	0.000	12.000	0.001	ND	PASS
Butane	0.800	2500.000	5000.000	ND	PASS
Chloroform	0.100	360.000	0.100	ND	PASS
Ethanol	3.800	2500.000	5000.000	<LOQ	PASS
Ethyl-Acetate	3.800	2500.000	5000.000	ND	PASS
Ethyl-Ether	3.400	2500.000	5000.000	ND	PASS
Ethylene Oxide	0.200	300.000	0.200	ND	PASS
Heptane	4.500	2500.000	5000.000	ND	PASS
Isopropanol	4.600	100.000	5000.000	ND	PASS
Methanol	5.300	200.000	3000.000	<LOQ	PASS
Methylene-Chloride	0.900	2500.000	0.900	ND	PASS
n-Hexane	0.400	70.000	290.000	ND	PASS
Pentane	3.900	2500.000	5000.000	<LOQ	PASS
Propane	0.300	2500.000	5000.000	ND	PASS
Toluene	1.700	30.000	890.000	ND	PASS
Trichloroethene	0.100	480.000	0.100	ND	PASS
Xylenes	2.400	10.000	2170.000	ND	PASS

*LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.*

**Heavy Metals** Testing method: ICPMS-SOP 501

Analyte	Mass	LOQ (ppb)	LOD (ppb)	Limit (ppb)	Status
Arsenic	<LOQ	10.000	10.000	200.000	PASS
Cadmium	<LOQ	10.000	10.000	200.000	PASS
Lead	<LOQ	10.000	10.000	500.000	PASS
Mercury	<LOQ	10.000	10.000	100.000	PASS

## CERTIFICATE OF ANALYSIS

**LOT #: 15532**

## SALVE 50MG CBD

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

### Cannabinoid Profile & Potency

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

ID	Weight %	Conc.
D9-THC	0.00 wt %	0.03 mg/g
THCV	ND	ND
CBD	0.07 wt %	0.74 mg/g
DBDV	ND	ND
CBG	ND	ND
CBC	0.00 wt %	0.03 mg/g
CBN	0.00 wt %	0.02 mg/g
THCA	ND	ND
CBDA	0.03 wt %	0.32 mg/g
CBGA	0.03 wt %	0.32 mg/g
Total	0.15 wt %	1.47 mg/g
Max THC	0.00 wt %	-
Max CBD	0.10 wt %	1.02 mg/g

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC= (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

### Microbials Test Method: PCR-SOP 401

Analyte	Presence	Status
Aspergillus flavus	Not Detected	PASS
Aspergillus fumigatus	Not Detected	PASS
Aspergillus niger	Not Detected	PASS
Aspergillus Terreus	Not Detected	PASS
Shiga toxin-producing E. Coli	Not Detected	PASS
Salmonella	Not Detected	PASS

## CERTIFICATE OF ANALYSIS

**LOT#: 528021**

## SALVE 50MG CBD

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

*Solvents Test Method: HSGCMS-SOP 202 LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.*

Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Units (ppm)	Status
1,2-Dichloro-Ethane	0.100	30.000	0.100	ND	PASS
Acetone	3.800	250.000	500.000	<LOQ	PASS
Acetonitrile	0.500	1.000	410.000	ND	PASS
Benzene	0.000	12.000	0.001	ND	PASS
Butane	0.800	2500.000	5000.000	ND	PASS
Chloroform	0.100	360.000	0.100	ND	PASS
Ethanol	3.800	2500.000	5000.000	ND	PASS
Ethyl-Acetate	3.800	2500.000	5000.000	>LOQ	PASS
Ethyl-Ether	3.400	2500.000	5000.000	ND	PASS
Ethylene Oxide	0.200	300.000	0.200	ND	PASS
Heptane	4.500	2500.000	5000.000	ND	PASS
Isopropanol	4.600	100.000	5000.000	ND	PASS
Methanol	5.300	200.000	3000.000	<LOQ	PASS
Methylene-Chloride	0.900	2500.000	0.900	ND	PASS
n-Hexane	0.400	70.000	290.000	ND	PASS
Pentane	3.900	2500.000	5000.000	<LOQ	PASS
Propane	0.300	2500.000	5000.000	ND	PASS
Toluene	1.700	30.000	890.000	ND	PASS
Trichloroethene	0.100	480.000	0.100	ND	PASS
Xylenes	2.400	10.000	2170.000	ND	PASS

*LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.*

**Heavy Metals** Testing method: ICPMS-SOP 501

Analyte	Mass (ppb)	LOQ (ppb)	LOD (ppb)	Limit (ppb)	Status
Arsenic	<LOQ	10.000	10.000	200.000	PASS
Cadmium	<LOQ	10.000	10.000	200.000	PASS
Lead	<LOQ	10.000	10.000	500.000	PASS
Mercury	<LOQ	10.000	10.000	100.000	PASS

## CERTIFICATE OF ANALYSIS

**LOT#: 528021**



# REVIVE PRO 1000 MG CBD

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

**Cannabinoid Profile & Potency**
**Test Date: 3/15/2018**

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

ID	Weight %	Conc.
Δ9-THC	0.00 wt %	0.01 mg/mL
THCV	ND	ND
CBD	0.85 wt%	9.69 mg/mL
CBDV	ND	ND
CBG	ND	ND
CBC	0.01 wt %	0.07 mg/mL
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
<b>Total</b>	<b>.85 wt%</b>	<b>9.77 mg/mL</b>
<b>Max THC</b>	<b>0.00 wt%</b>	<b>-</b>
<b>Max CBD</b>	<b>.85 wt%</b>	<b>9.69 mg/mL</b>

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC.

**Elemental Analysis**
**Test Date: 3/1/2018**

This test method was performed in accordance with the requirements, of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

Symbol	Metal	Conc. <sup>1</sup>	MDL	Limits <sup>2</sup>	Status
Al	Aluminum	ND	5 ug/kg	-	
As	Arsenic	5 ug/kg	4 ug/kg	1500 ug/kg	PASS
Cd	Cadmium	1 ug/kg	1 ug/kg 500	1500 ug/kg	PASS
Ca	Calcium	3,001 ug/kg	ug/kg	-	
Cr	Chromium	ND	5 ug/kg	25000 ug/kg	PASS
Co	Cobalt	ND	10 ug/kg	-	
Cu	Copper	ND	500 ug/kg	100000 ug/kg	PASS
Fe	Iron	1,899 ug/kg	5 ug/kg	-	
Pb	Lead	15 ug/kg	2 ug/kg	5000 ug/kg	PASS
Mg	Magnesium	34,105 ug/kg	500 ug/kg	-	
Mn	Manganese	ND	500 ug/kg	-	
Hg	Mercury	ND	2 ug/kg	1500 ug/kg	PASS
Mo	Molybdenum	ND	5000 ug/kg	10000 ug/kg	PASS
Ni	Nickel	ND	500 ug/kg	1500 ug/kg	PASS
P	Phosphorus	ND	500 ug/kg	-	
K	Potassium	187,532 ug/kg	5 ug/kg	-	
Se	Selenium	ND	10 ug/kg	-	
Ag	Silver	ND	10 ug/kg	-	
S	Sulfur	ND	5 ug/kg	-	
Sn	Tin	27,553 ug/kg	5000 ug/kg	-	
Zn	Zinc	618 ug/kg	5 ug/kg	-	

1) ND= None detected to the Method Detection Limit (MDL) 2) USP recommended limits for Elemental Analysis.

## CERTIFICATE OF ANALYSIS

**LOT #: 27563**

**REVIVE PRO 1000 MG CBD (CONTINUED..)**
**Microbiological Results**
**Test Date: 2/28/2018**

Tests Performed	Results	Limits (cfu/g)	MDL	Status
Total Aerobic Bacterial Count	< 100	1000,000		PASS
Total Coliform Bacterial Count	< 100	1,000		PASS
Total Bile Tolerant Gram Negative Count	< 100	1,000		PASS
Total Yeast and Mold	< 100	10,000		PASS
E. coli	Negative	Non Detected		PASS
Salmonella	Negative	Non Detected		PASS
Total Aflatoxin	<MDL	<20 ppb	3 ppb	PASS
Total Ochratoxin	<MDL	<20 ppb	2ppb	PASS

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**PST: Pesticide Analysis**
**Test Date: 3/5/2018**

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis.

Analyte	CAS	Result	Units	LLD	Limits (Ppb)	Status
Abamectin	71751-41-2	ND	Ppb	0.2	10	PASS
Azoxystrobin	131860-33-8	ND	Ppb	0.1	10	PASS
Bifenazate	149877-41-8	ND	Ppb	0.1	10	PASS
Bifenthrin	82657-04-3	ND	Ppb	0.2	10	PASS
Cyfluthrin	68359-37-5	ND	Ppb	0.5	10	*
Daminozide	1596-84-5	ND	Ppb	10	10	PASS
Dichlorvos	62-73-7	ND	Ppb	3	10	*
Etoazole	153233-91-1	ND	Ppb	0.1	10	PASS
Fenoxycarb	72490-01-8	ND	Ppb	0.1	10	PASS
Imazalil	35554-44-0	ND	Ppb	0.1	10	PASS
Imidacloprid	138261-41-3	ND	Ppb	0.1	10	PASS
Myclobutanil	88671-89-0	ND	Ppb	0.1	10	PASS
Paclitrazol	76738-62-0	ND	Ppb	0.1	10	PASS
Piperonyl Butoxide	51-03-6	ND	Ppb	0.1	10	PASS
Pyrethrin	8003-34-7	ND	Ppb	0.1	10	PASS
Spinosad	168316-95-8	ND	Ppb	0.1	10	PASS
Spiromesifen	283 594-90-1	ND	Ppb	0.1	10	PASS
Spirotetramat	203313-25-1	ND	Ppb	0.1	10	PASS
Trifloxystrobin	141517-21-7	ND	Ppb	0.1	10	PASS

\*Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (\*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

**VC: Analysis of Volatile Organic Compounds**
**Test Date: 2/28/2018**

Tests Performed	CAS	Amount <sup>1</sup>	Limit <sup>2</sup>	Status
Butane	106-97-8	ND	5,000 ppm	PASS
Methanol	67-56-1	6 ppm	3,000 ppm	PASS
Ethanol	64-17-5	ND	5,000ppm	PASS
2,2-dimethyl-butane		ND	N/A	PASS
Acetone	67-64-1	ND	5,000 ppm	-
Isopropanol	67-63-0	5 ppm	5,000 ppm	PASS
Acetonitrile	75-05-8	ND	410 ppm	PASS
Hexane	110-54-3	ND	290 ppm	PASS
2-butanol	78-92-2	98 ppm	5,000 ppm	PASS
1,2-dichloroethane	107-06-2	ND	5 ppm	PASS
Heptane	142-82-5	ND	5,000 ppm	PASS

1) ND= None detected above 5 pp111. 2) In pp1n, based on USP recommended limits for residual solvents. adopted by the Massachusetts Department of Public Health on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

## REVIVE PRO 1000 MG CBD (CONTINUED..)

### TP: Terpenes Profile [WI-10-08]

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

Compound	ppm	Quantitative Profile	Compound	ppm	Quantitative Profile	
Myrcene			Terpineol			
Pulegone			Camphene			
Isopulegol			Fenchone			
Borneol			B-pinene			
Menthol			Eucalyptol			
Nerolidol-cis			A-terpenine			
G-terpenine			3-carene			
Nerolidol-trans			A-pinene			
A-bisabolol	4	<div style="width: 10%;"></div>	Citral-1			
Linalool			Citral-2			
Linalyl Acetate			Limonene			
B-caryophyllene	36	<div style="width: 36%;"></div>	Citronellol			
Caryophyllene Oxide	12	<div style="width: 12%;"></div>	Geraniol			
Eugenol			Ocimene-2			
Guaiol			Ocimene-1			
Sabinene			A-phellandrene			
Humulene	11	<div style="width: 11%;"></div>	Terpinolene			
P-cymene						
<b>ppm</b>	<b>0.00</b>	<b>25.00</b>	<b>50.00</b>	<b>0.00</b>	<b>5.00</b>	<b>10.00</b>

Total Terpene: <0.1 wt%

\* Indicates qualitative calculation based on recorded peak areas.

## CERTIFICATE OF ANALYSIS

**LOT #: 27563**

## HEMPVAP 100 MG

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### Cannabinoid Profile & Potency

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

ID	Weight %	Conc.
Δ9-THC	ND	ND
THCV	ND	ND
CBD	11.62 wt %	107.78 mg/mL
CBDV	0.04 wt %	0.37 mg/mL
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	0.02 wt %	0.18 mg/mL
CBGA	0.01 wt %	0.08 mg/mL
<b>Total</b>	<b>11.69 wt%</b>	<b>108.42 mg/mL</b>
<b>Max THC</b>	-	-
<b>Max CBD</b>	<b>11.63 wt%</b>	<b>107.94 mg/mL</b>

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation:  $\text{Max THC} = (0.877 \times \text{THCA}) + \text{THC}$ . ND= None detected above the limits of detection (LLD)

## CERTIFICATE OF ANALYSIS

LOT #: 22865

## REVIVE AM

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

### *Cannabinoid Profile & Potency*

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

ID	Weight %	Conc.
D9-THC	ND	ND
THCV	ND	ND
CBD	0.48 wt %	5.33 mg/mL
DBDV	ND	ND
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	0.02 wt %	0.26 mg/mL
CBGA	ND	ND
Total	0.50 wt %	5.59 mg/mL
Max THC	-	-
Max CBD	0.50 wt %	5.56 mg/mL

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC= (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

### *Microbiological*

Analysis	Results	Units	Limits*	Status
Aerobic Bacterial Count	<100	CFU/g	100,000 CFU/g	PASS
Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
Yeast & Mold	<100	CFU/g	100,000 CFU/g	PASS
E. Coli (O157)	Negative	CFU/g	None Detected	PASS
Salmonella	Negative	CFU/g	None Detected	PASS

## CERTIFICATE OF ANALYSIS

**LOT#: APM18049**

**PURE CBD LIQUID**

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**Heavy Metal Analysis**

<b>Metal</b>	<b>Conc.</b>	<b>Units</b>	<b>MDL</b>	<b>All</b>	<b>Ingestion</b>	<b>Units</b>	<b>Status</b>
Arsenic	ND	µg/kg	4	200	1500	µg/kg	PASS
Cadmium	ND	µg/kg	1	200	500	µg/kg	PASS
Mercury	ND	µg/kg	2	100	1500	µg/kg	PASS
Lead	ND	µg/kg	2	500	1000	µg/kg	PASS

**CERTIFICATE OF ANALYSIS****LOT#: APM18049**

## REVIVE PM 500MG

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

### Cannabinoid Profile & Potency

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

ID	Weight %	Conc.
D9-THC	0.02 wt %	0.19 mg/mL
THCV	ND	ND
CBD	0.60 wt %	7.22 mg/mL
DBDV	ND	ND
CBG	ND	ND
CBC	0.01 wt %	0.15 mg/mL
CBN	ND	ND
THCA	0.00 wt %	0.05 mg/mL
CBDA	0.08 wt %	1.01 mg/mL
CBGA	ND	ND
Total	0.72 wt %	8.62 mg/mL
Max THC	0.02 wt %	0.23 mg/mL
Max CBD	0.68 wt %	8.11 mg/mL

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

### Microbials Test Method: PCR-SOP 401

Analyte	Presence	Status
Aspergillus flavus	Not Detected	PASS
Aspergillus fumigatus	Not Detected	PASS
Aspergillus niger	Not Detected	PASS
Aspergillus Terreus	Not Detected	PASS
Shiga toxin-producing E. Coli	Not Detected	PASS
Salmonella	Not Detected	PASS

## CERTIFICATE OF ANALYSIS

**LOT#: APM18047**

## REVIVE PM 500MG

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

*Solvents Test Method: HSGCMS-SOP 202 LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.*

Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Units (ppm)	Status
1,2-Dichloro-Ethane	0.100	30.000	0.100	ND	PASS
Acetone	3.800	250.000	500.000	ND	PASS
Acetonitrile	0.500	1.000	410.000	ND	PASS
Benzene	0.000	12.000	0.001	ND	PASS
Butane	0.800	2500.000	5000.000	ND	PASS
Chloroform	0.100	360.000	0.100	ND	PASS
Ethanol	3.800	2500.000	5000.000	<LOQ	PASS
Ethyl-Acetate	3.800	2500.000	5000.000	ND	PASS
Ethyl-Ether	3.400	2500.000	5000.000	ND	PASS
Ethylene Oxide	0.200	300.000	0.200	ND	PASS
Heptane	4.500	2500.000	5000.000	ND	PASS
Isopropanol	4.600	100.000	5000.000	ND	PASS
Methanol	5.300	200.000	3000.000	<LOQ	PASS
Methylene-Chloride	0.900	2500.000	0.900	ND	PASS
n-Hexane	0.400	70.000	290.000	ND	PASS
Pentane	3.900	2500.000	5000.000	ND	PASS
Propane	0.300	2500.000	5000.000	ND	PASS
Toluene	1.700	30.000	890.000	ND	PASS
Trichloroethene	0.100	480.000	0.100	ND	PASS
Xylenes	2.400	10.000	2170.000	ND	PASS

*LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.*

**Heavy Metals** Testing method: ICPMS-SOP 501

Analyte	Mass (ppb)	LOQ (ppb)	LOD (ppb)	Limit (ppb)	Status
Arsenic	<LOQ	10.000	10.000	200.000	PASS
Cadmium	<LOQ	10.000	10.000	200.000	PASS
Lead	<LOQ	10.000	10.000	500.000	PASS
Mercury	<LOQ	10.000	10.000	100.000	PASS

## CERTIFICATE OF ANALYSIS

**LOT#: APM18047**



## REVIVE PM 500MG

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

### *Cannabinoid Profile & Potency*

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

ID	Weight %	Conc.
D9-THC	0.01 wt %	0.09 mg/mL
THCV	ND	ND
CBD	0.44 wt %	5.15 mg/mL
DBDV	ND	ND
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	0.05 wt %	0.64 mg/mL
CBGA	ND	ND
Total	0.50 wt %	5.89 mg/mL
Max THC	0.01 wt %	-
Max CBD	0.48 wt %	5.72 mg/mL

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC= (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

### *Microbials*

Analyte	Presence	Status
Aerobic Bacterial Count	Not Detected	PASS
Coliform Bacterial Count	Not Detected	PASS
Bile Tolerant Gram Negative Count	Not Detected	PASS
Yeast & Mold	Not Detected	PASS
E. Coli (O157)	Not Detected	PASS
Salmonella	Not Detected	PASS

## CERTIFICATE OF ANALYSIS

**LOT#: APM10848**

## REVIVE PM 500MG

*This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.*

**Pesticide Analysis**
*ND = Not Detected.*

Analyte	Result	Units	LLD	Limits (ppb)	Status
Abamectin	ND	ppb	0.20	300	PASS
Abamectin B 1b	ND	ppb	0.20	300	PASS
Azoxystrobin	ND	ppb	0.10	40000	PASS
Bifenazate	ND	ppb	0.10	5000	PASS
Bifenthrin	ND	ppb	0.20	500	PASS
Cyflutbrin	ND	ppb	0.50	1000	PASS
Daminozide	ND	ppb	10.00	10	PASS
Etoxazole	ND	ppb	0.10	1500	PASS
Fenoxycarb	ND	ppb	0.10	10	PASS
Imazalil	ND	ppb	0.10	10	PASS
Imidacloprid	ND	ppb	0.10	3000	PASS
Myclobutanil	ND	ppb	0.10	9000	PASS
Paclobotrazol	ND	ppb	0.10	10	PASS
Piperonyl	ND	ppb	0.10	8000	PASS
Butoxide Pyrethrin	ND	ppb	0.1	1000	PASS
Spinosad	ND	ppb	0.1	3000	PASS
Spiromesifen	ND	ppb	0.10	12000	PASS
Spirotetramat	ND	ppb	0.10	13000	PASS
Trifloxystrobin	1	ppb	0.10	30000	PASS

*LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.*

**Heavy Metals**

Analyte	Conc.1	Units	MDL	All	Ingestion	Status
Arsenic	ND	µg/kg	4	200	1500	PASS
Cadmium	ND	µg/kg	1	200	500	PASS
Mercury	ND	µg/kg	2	100	1500	PASS
Led	ND	µg/kg	2	500	1000	PASS

## CERTIFICATE OF ANALYSIS

**LOT#: APM18048**