



## The Veritas Farms

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## 100mg Zen Mood Essential Oil Roller (EB11160 exp 05/23)

<b>Order ID#:</b>	<b>20201117-408</b>	<b>Lab Code#:</b> LC-20201117-1003
<b>Product Type:</b>	Personal care	<b>Sample date:</b> 17-Nov-2020
<b>Lot Number:</b>	EB11160 exp 05/23	<b>Sample received:</b> 18-Nov-2020
<b>Batch Number:</b>	EO-100mg-ZenMood-11.12.20	<b>Completed:</b> 9-Dec-2020
<b>Unit Amount (g):</b>	9.355	<b>Report expires:</b> 9-Dec-2021

## SAFETY ANALYSIS

<b>Microbials</b> <b>PASS</b>	<b>Mycotoxins</b> <b>PASS</b>	<b>Pesticides</b> <b>PASS</b>	<b>Metals</b> <b>PASS</b>	<b>Solvents</b> <b>PASS</b>
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## CANNABINOID PROFILE

**Total CBD**  
- mg/unit - **90**

**0.96%**  
Total CBD

**PASS**  
Total THC

**Total Potency**  
- mg/unit - **109**

## TOP TERPENES PROFILE (ppm)



Terpene	Result (ppm)	Result (%)
D-Limonene	3687.318	0.36873
Linalool	2495.562	0.24956
β-Pinene	724.514	0.07245
γ-Terpinene	592.602	0.05926
β-Ocimene 2	503.144	0.05031
β-Myrcene	494.214	0.04942

## FILTH AND FOREIGN MATERIAL



**PASS**

**Analysis Batch:** WO-20111806

**Analysis Date:** 24-Nov-2020

**Instrument:** Microscope I-39

## WATER DETERMINATIONS



	Water activity	% Moisture
<b>Analysis Batch:</b>	WO-20111808	
<b>Analysis Date:</b>	18-Nov-2020	19-Nov-2020
<b>Result:</b>	0.5668	2.00%
<b>Instrument:</b>	I40	E15

## Comments:

None.

## Authorization



*YoungChul Park*

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YoungChul Park, Ph.D., Laboratory Director  
Approval Date: 9-Dec-2020

Test results are based solely upon the test article submitted to Americanna Laboratories, LLC in the condition it was received. Americanna Laboratories, LLC warrants that all analytical work was conducted in a professional manner in accordance with the requirements of ISO/IEC 17025:2017 (#102139), such as comparison to Certified Reference Materials and NIST traceable Reference Standards. This report shall not be reproduced, except in its entirety, without the written approval of Americanna Laboratories, LLC. Test results are confidential unless explicitly waived. Void after 1 year from test end date.

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### CANNABINOIDS

Analyte	%	mg/g	mg/unit	LOD (%)
THCA-A	0.0744	0.7441	6.961	0.0007
Δ9-THC	0.0379	0.3791	3.547	0.0007
CBD	ND	ND	ND	0.0007
CBDV	0.00639	0.06394	0.5982	0.0007
Δ8-THC	0.00312	0.03116	0.2915	0.0007
THCV	ND	ND	ND	0.0007
CBG	0.0470	0.4702	4.399	0.0007
CBGA	ND	ND	ND	0.0007
CBC	0.0356	0.3556	3.326	0.0007

Total THC <sup>a</sup>

0.103%

PASS

Total CBD <sup>b</sup>

9.6 mg/g

90 mg/unit

TOTAL <sup>c</sup>

11.7 mg/g

109 mg/unit

**Analysis Batch:** WO-20111810

**Analysis Date:** 25-November-2020

**Test Method:** SOP 6.6 (HPLC)

**Instrument:** Agilent HPLC Instrument 33

<sup>a</sup> Total THC is calculated as THC + (THCA × 0.877).

<sup>b</sup> Total CBD is calculated as CBD + (CBDA × 0.877).

<sup>c</sup> Total cannabinoids is the absolute sum of all cannabinoids above the level of detection.

### TERPENES

Analyte	Result (μg/g)	Result (%)
α-Bisabolol	3.990	0.00040
α-Humulene	10.58	0.00106
α-Pinene	194.5	0.01945
α-Terpinene	ND	ND
β-Caryophyllene	71.53	0.00715
β-Myrcene	494.2	0.04942
β-Ocimene 1	ND	ND
β-Ocimene 2	503.1	0.05031
β-Pinene	724.5	0.07245
Camphene	31.63	0.00316
Caryophyllene-oxide	11.37	0.00114
δ-3-Carene	73.42	0.00734

LOD = 0.0002%

Analyte	Result (μg/g)	Result (%)
D-Limonene	3687	0.36873
Eucalyptol	108.9	0.01089
γ-Terpinene	592.6	0.05926
Geraniol	93.31	0.00933
Guaiol	7.460	0.00075
Isopulegol	ND	ND
Linalool	2496	0.24956
Nerolidol 1	5.452	0.00055
Nerolidol 2	ND	ND
p-Cymene	31.56	0.00316
Terpinolene	43.13	0.00431

**Total Terpenes:**

9184.3

0.91843

**Total (μg/unit):**

85918.7

**Analysis Batch:**

WO-20111807

**Analysis Date:**

Friday, November 20, 2020

**Test Method:** SOP 6.9

**Instrument:** Agilent GC-FID/MS, Instrument 36

### Comments:

None.

### Authorization



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### PESTICIDES

Analyte	Action Level	Result (µg/g)
Abamectin	0.30	ND - Pass
Acephate	3.00	ND - Pass
Acequinocyl	2.00	ND - Pass
Acetamiprid	3.00	ND - Pass
Aldicarb	0.10	ND - Pass
Azoxystrobin	3.00	ND - Pass
Bifenazate	3.00	ND - Pass
Carbaryl	0.50	ND - Pass
Carbofuran	0.10	ND - Pass
Chlorantraniliprole	3.00	ND - Pass
Chlorfenapyr	0.05	ND - Pass
Chlorpyrifos	0.10	ND - Pass
Coumaphos	0.10	ND - Pass
Daminozide	0.10	ND - Pass
Diazinon	0.20	ND - Pass
Dichlorvos	0.10	ND - Pass
Dimethoate	0.10	ND - Pass
Dimethomorph (I/II)	3.00	ND - Pass
Ethoprophos	0.10	ND - Pass
Etofenprox	0.10	ND - Pass
Etoazole	1.50	ND - Pass
Fenhexamid	3.00	ND - Pass
Fenoxycarb	0.10	ND - Pass
Fenpyroximate	2.00	ND - Pass
Fipronil	0.10	ND - Pass
Flonicamid	2.00	ND - Pass
Fludioxonil	3.00	ND - Pass

Analyte	Action Level	Result (µg/g)
Hexythiazox	2.00	ND - Pass
Imazalil	0.10	ND - Pass
Imidacloprid	1.00	ND - Pass
Kresoxim methyl	1.00	ND - Pass
Malathion	3.00	ND - Pass
Metalaxyl	0.10	ND - Pass
Methiocarb	0.10	ND - Pass
Methomyl	0.10	ND - Pass
Mevinphos (I/II)	0.10	ND - Pass
Myclobutanil	3.00	ND - Pass
Naled	0.50	ND - Pass
Oxamyl	1.50	ND - Pass
Phosmet	0.20	ND - Pass
Piperonyl butoxide	3.00	ND - Pass
Prallethrin	0.40	ND - Pass
Propiconazole	1.00	ND - Pass
Propoxur	2.10	ND - Pass
Pyrethrins	1.00	ND - Pass
Pyridaben	3.00	ND - Pass
Spinetoram (J/L)	3.00	ND - Pass
Spinosad A + D	3.00	ND - Pass
Spiromesifen	3.00	ND - Pass
Spirotetramat	3.00	ND - Pass
Spiroxamine (I/II)	0.10	ND - Pass
Tebuconazole	1.00	ND - Pass
Thiacloprid	0.10	ND - Pass
Thiamethoxam	1.00	ND - Pass
Trifloxystrobin	3.00	ND - Pass

**Analysis Batch:** WO-20111811  
**Analysis Date:** Wednesday, November 18, 2020

**Test Method:** SOP 6.7  
**Instrument:** Agilent LC-MS/MS, Instrument 32

### MYCOTOXINS

Analyte	Report	Result	Action Limit	LOD	Unit
Aflatoxin, Total	Pass	ND	0.020	0.005	µg/g
Ochratoxin A	Pass	ND	0.020	0.005	µg/g

\* Total Aflatoxin includes B1, B2, G1 and G2.

**Analysis Batch:** WO-20111811  
**Analysis Date:** Wednesday, November 18, 2020

**Test Method:** SOP 6.7  
**Instrument:** Agilent LC-MS/MS, Instrument 32

### Comments:

None.

### Authorization



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### RESIDUAL SOLVENTS

Analyte	Action Level	Result (µg/g)
1,2-Dichloroethane	5	ND - Pass
Acetone	5000	ND - Pass
Acetonitrile	410	ND - Pass
Benzene	2	ND - Pass
Butane	2000	ND - Pass
Chloroform	60	ND - Pass
Ethanol	5000	122.6 - Pass
Ethyl Acetate	5000	ND - Pass
Ethyl Ether	5000	ND - Pass
Ethylene Oxide	5	ND - Pass

Analyte	Action Level	Result (µg/g)
Heptane	5000	ND - Pass
Hexane	290	ND - Pass
Isopropyl Alcohol	500	ND - Pass
Methanol	3000	ND - Pass
Methylene Chloride	600	ND - Pass
Pentane	5000	ND - Pass
Propane	2100	ND - Pass
Toluene	890	ND - Pass
Trichloroethylene	80	ND - Pass
Xylenes, Total	2170	114.2 - Pass

**Analysis Batch:** WO-20111809  
**Analysis Date:** Friday, November 20, 2020

**Test Method:** SOP 6.8  
**Instrument:** Agilent GC-FID/MS, Instrument 36

### MICROBIAL CONTAMINANTS

Test	Report	Result	Specification
Shiga toxin-producing E.coli (STEC)	Pass	Absent	Presence/Absence in 1 g
Salmonella	Pass	Absent	Presence/Absence in 1 g
Listeria	Pass	Absent	Presence/Absence in 1 g

**Analysis Batch:** WO-20111803  
**Analysis Date:** Thursday, November 19, 2020

**Test Method:** SOP 6.11 (qPCR)  
**Instrument:** Agilent AriaMX, Instrument 43

### HEAVY METALS

Element	Report	Result	Action Limit	LOD	Unit
Lead	Pass	ND	0.50	0.050	µg/g
Arsenic	Pass	ND	1.5	0.050	µg/g
Mercury	Pass	ND	3.0	0.005	µg/g
Cadmium	Pass	ND	0.50	0.050	µg/g

**Analysis Batch:** WO-20111805  
**Analysis Date:** Monday, November 23, 2020

**Test Method:** SOP 6.10  
**Instrument:** Agilent ICP/MS, Instrument 37

### Comments:

None.

### Authorization



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Approval Date: 9-Dec-2020

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