

2444 NE 1st Blvd Suite 700 Gainesville, FL, 32609, USA

# Certificate of Analysis

Oct 13, 2020 | Carmens Medicinals

Hallandale Beach, FL, 33009, US



### Kaycha Labs

Matrix: Edible

2000 Mg Full Spectrum



Sample: DA01001011-003 Harvest/Lot ID: 10443 Seed to Sale #N/A Batch Date : N/A

Batch#: DMMW-1-1-2 Sample Size Received: 30 ml

> Retail Product Size: 30 Ordered: 09/22/20

Sampled: 09/22/20

Completed: 10/13/20 Expires: 10/13/21 Sampling Method: SOP Client Method

### PASSED

Page 1 of 5

PRODUCT IMAGE

SAFETY RESULTS









Heavy Metals **PASSED** 



Microbials **PASSED** 



Mycotoxins PASSED



Residuals Solvents PASSED



Filth **PASSED** 



Water Activity **NOT TESTED** 



Moisture **NOT TESTED** 



MISC.

Terpenes TESTED

#### CANNABINOID RESULTS



**Total THC** THC/Container: 39.117 mg



**Total CBD** 

CBD/Container: 2301.467 mg



**Total Cannabinoids** 

Total Cannabinoids/Container :2391.114 mg



### **Cannabinoid Profile Test**

Analyzed by Weight Extraction date : Extracted By: Reviewed On - 10/05/20 16:49:33 Analysis Method -SOP.T.40.020, SOP.T.30.050 Batch Date: 10/03/20 12:23:50 Analytical Batch - GA016824POT Instrument Used : GA-HPLC-001 2030C Plus Running On : 10/03/20 18:25:49

Reagent Dilution Consums. ID 092320.01 190624060 16466-042

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Filth

**PASSED** 

Weight Extraction date LOD(ppm) Extracted By Analyzed By 25.6g 10/03/20

Analysis Method -SOP.T.40.013 Batch Date: 10/03/20 08:49:46 Analytical Batch -GA016819FIL Reviewed On - 10/05/20 15:37:37 Instrument Used: GA-Filth/Foreign Material Microscope Running On:

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Lift of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

### Jeremy Campbell

Lab Director

State License # CMTL-0001 ISO Accreditation # 97164



10/13/2020

Signature



**Kaycha Labs** 

2000 Mg Full Spectrum

Matrix: Edible



Gainesville, FL, 32609, USA

# **Certificate of Analysis**

**Carmens Medicinals** 

800 SE 4th Ave

Hallandale Beach, FL, 33009, US **Telephone:** (954) 993-8077

Email: juan@carmensmedicinals.com

Sample : DA01001011-003 Harvest/LOT ID: 10443

Batch#: DMMW-1-1-2

Sampled: 09/22/20

Ordered: 09/22/20

Sample Size Received: 30 ml

Completed: 10/13/20 Expires: 10/13/21 Sample Method: SOP Client Method

**PASSED** 

Page 2 of 5



## **Terpenes**

# **TESTED**

Terpenes	LOD	Units		Result (%)
ALPHA-HUMULENE	0.007	%	0.029	
ALPHA-CEDRENE	0.007	%	ND	
SABINENE	0.007	%	ND	
SABINENE HYDRATE	0.007	%	ND	
TERPINEOL	0.007	%	ND	
TERPINOLENE	0.007	%	ND	
BETA-CARYOPHYLLENE	0.007	%	0.075	
TRANS-NEROLIDOL	0.007	%	< 0.020	
VALENCENE	0.007	%	ND	
ALPHA-BISABOLOL	0.007	%	0.088	
CARYOPHYLLENE OXIDE	0.007	%	<0.020	
CAMPHOR	0.013	%	ND	
CAMPHENE	0.007	%	ND	
BORNEOL	0.013	%	ND	
BETA-PINENE	0.007	%	ND	
BETA-MYRCENE	0.007	%	ND	
ALPHA-TERPINENE	0.007	%	ND	
ALPHA-PINENE	0.007	%	ND	
CEDROL	0.007	%	ND	
PULEGONE	0.007	%	0.040	
ALPHA-PHELLANDRENE	0.007	%	ND	
OCIMENE	0.007	%	ND	
NEROL	0.007	%	ND	
LINALOOL	0.007	%	ND	
LIMONENE	0.007	%	0.033	
GUAIOL	0.007	%	0.047	
GERANYL ACETATE	0.007	%	ND	
GERANIOL	0.007	%	ND	
GAMMA-TERPINENE	0.007	%	ND	
FENCHONE	0.007	%	ND	
FARNESENE	0.007	%	ND	

	Terpenes	LOD	Units		Result (%)
1					
١	EUCALYPTOL	0.007	%	0.032	0.032
ĺ	ISOBORNEOL	0.007	%	ND	ND
ĺ	HEXAHYDROT HYMOL	0.007	%	0.792	0.792
1	FENCHYL ALCOHOL	0.007	%	ND	ND
	3-CARENE	0.007	%	ND	ND
1	CIS- NEROLIDOL	0.007	%	ND	ND
i	ISOPULEGOL	0.007	%	ND	ND

### **Terpenes**

## **TESTED**

Analyzed by

Weight 1.0012g

**Extraction date** 10/05/20 08:10:32

**Extracted By** 

Analysis Method -SOP.T.40.090

**Analytical Batch - GA016847TER** Reviewed On - 10/07/20 14:01:55

Instrument Used: GA-GCMS-002 QP2010S

Running On: 10/05/20 12:18:06 Batch Date: 10/05/20 08:00:19

Reagent	Dilution	Consums. ID
042920.03	10	280630187
		VAV-09-1020 Lot# 947.07
		6970145500298
		P734631 / P7411895
		16466 042

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

**Total** 

1.141

Jeremy Campbell Lab Director

State License # CMTL-0001 ISO Accreditation # 97164



10/13/2020

Signature



**Kaycha Labs** 

2000 Mg Full Spectrum

Matrix: Edible



**PASSED** 

# **Certificate of Analysis**

**Carmens Medicinals** 

800 SE 4th Ave

Hallandale Beach, FL, 33009, US **Telephone:** (954) 993-8077

**Email:** juan@carmensmedicinals.com

Sample: DA01001011-003 Harvest/LOT ID: 10443

Batch#: DMMW-1-1-2

Sampled: 09/22/20

Ordered: 09/22/20

Sample Size Received: 30 ml

Completed: 10/13/20 Expires: 10/13/21 Sample Method: SOP Client Method

Page 3 of 5



### **Pesticides**

# **PASSED**

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND
ACEPHATE	0.01	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND
OSCALID	0.01	PPM	3	ND
ARBARYL	0.05	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND
HLORMEQUAT CHLORIDE	0.1	ppm	3	ND
HLORPYRIFOS	0.01	ppm	0.1	ND
LOFENTEZINE	0.02	ppm	0.5	ND
OUMAPHOS	0.01	ppm	0.1	ND
AMINOZIDE	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
ICHLORVOS	0.01	ppm	0.1	ND
IMETHOATE	0.01	ppm	0.1	ND
IMETHOMORPH	0.02	ppm	3	ND
THOPROPHOS	0.01	ppm	0.1	ND
TOFENPROX	0.01	ppm	0.1	ND
TOXAZOLE	0.01	ppm	1.5	ND
ENHEXAMID	0.01	ppm	3	ND
ENOXYCARB	0.01	ppm	0.1	ND
ENPYROXIMATE	0.01	ppm	2	ND
IPRONIL	0.01	ppm	0.1	ND
LONICAMID	0.01	ppm	2	ND
LUDIOXONIL	0.01	ppm	3	ND
IEXYTHIAZOX	0.01	ppm	2	ND
MAZALIL	0.01	ppm	0.1	ND
MIDACLOPRID	0.04	ppm	3	ND
RESOXIM-METHYL	0.01	ppm	1	ND
MALATHION	0.02	ppm	2	ND
METALAXYL	0.01	ppm	3	ND
METHIOCARB	0.01	ppm	0.1	ND
IETHOMYL	0.01	ppm	0.1	ND
MEVINPHOS	0.01	ppm	0.1	ND
YCLOBUTANIL	0.01	ppm	3	ND
IALED	0.025	ppm	0.5	ND
XAMYL	0.05	ppm	0.5	ND
ACLOBUTRAZOL	0.01	ppm	0.1	ND
PHOSMET	0.01	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.1	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND

Pesticides	LOD	Units	Action Level	Result
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRIN I	0.01	ppm	1	ND
PYRETHRIN II	0.01	ppm	1	ND
PYRETHRINS	0.05	ppm	1	ND
PYRIDABEN	0.02	ppm	3	ND
SPINETORAM	0.02	PPM	3	ND
SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
SPIROMESIFEN	0.01	ppm	3	ND
SPIROTETRAMAT	0.01	ppm	3	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.05	ppm	1	ND
TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
TOTAL PERMETHRIN	0.01	ppm	1	ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND
. / / /				

#### **Pesticides**

Weight 1.0050g Extraction date 1850 . 1541

Analysis Method - SOP.T.30.065, SOP.T.40.065,

SOP.T.30.065, SOP.T40.070 Analytical Batch - GA017100PES , GA017165VOLReviewed On- 10/05/20 15:37:37

Instrument Used: GA-LCMS-001 Pes, GA-GCMS-003 Triple Quad Pest

Running On:, 10/09/20 17:56:39 Batch Date: 10/08/20 11:05:49 Reagent Dilution

Consums, ID 10 282066106 VAV-09-1020 Lot# 947.077 6970145500298 VAV-09-1020 (947.077) / ALK-09-1412 (9291.179) P734631 / P7411895

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMS).\* Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310. This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is

Jeremy Campbell

Lab Director

State License # CMTL-0001 ISO Accreditation # 97164



10/13/2020

PASSED

**Extracted By** 

Signature



**Kaycha Labs** 

2000 Mg Full Spectrum

Matrix: Edible



Gainesville, FL, 32609, USA

# **Certificate of Analysis**

**Carmens Medicinals** 

800 SE 4th Ave

Hallandale Beach, FL, 33009, US **Telephone:** (954) 993-8077

Email: juan@carmensmedicinals.com

Sample: DA01001011-003 Harvest/LOT ID: 10443

Batch#: DMMW-1-1-2

Sampled: 09/22/20 Ordered: 09/22/20

Sample Size Received: 30 ml

Completed: 10/13/20 Expires: 10/13/21 Sample Method: SOP Client Method

**PASSED** 

Page 4 of 5



### **Residual Solvents**

### PASSED



### **Residual Solvents**



Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
XYLENES-M (1,3- DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-O (1,2- DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-P (1,4- DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND

Analyzed by	Weight	<b>Extraction date</b>	<b>Extracted By</b>
	0005		E 0 0

.0225g 10/06/20 12:10:39

Analysis Method -SOP.T.40.032

Reviewed On - 10/07/20 14:30:26 Analytical Batch -GA016951SOL

Instrument Used: GA-GCMS-001 Headspace Solvent

Running On: 10/06/20 14:15:55 Batch Date: 10/06/20 12:29:32

Reagent Dilution Consums, ID 24154107 ach-20-1720

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Jeremy Campbell

Lab Director

State License # CMTL-0001 ISO Accreditation # 97164



10/13/2020

Signature



Gainesville, FL, 32609, USA

### **Kaycha Labs**

2000 Mg Full Spectrum

Matrix: Edible



# **Certificate of Analysis**

LOD

**PASSED** 

**Carmens Medicinals** 

800 SE 4th Ave

Hallandale Beach, FL, 33009, US **Telephone:** (954) 993-8077 Email: juan@carmensmedicinals.com Sample : DA01001011-003 Harvest/LOT ID: 10443

Batch#: DMMW-1-1-2

Sampled: 09/22/20 Ordered: 09/22/20

Sample Size Received: 30 ml

Completed: 10/13/20 Expires: 10/13/21 Sample Method: SOP Client Method

Page 5 of 5



### **Microbials**

### PASSED

not present in 1 gram.

not present in 1 gram.



**Result Analyte** 

not present in 1 gram. AFLATOXIN G2

### **Mycotoxins**



**Analyte** ASPERGILLUS FLAVUS ASPERGILLUS\_FUMIGATUS ASPERGILLUS\_NIGER

ASPERGILLUS\_TERREUS ESCHERICHIA COLI SHIGELLA SPP SALMONELLA\_SPECIFIC\_GENE

Analysis Method -SOP.T.40.043 / SOP.T.40.044 Analytical Batch -GA017179MIC Batch Date: 10/10/20 Instrument Used: GA-093 PathogenDx Scanner Running On :

Analyzed by 1748

Weight 1.0289g

**Extraction date** 

**Extracted By** 

å.	
7	

**Units** 

maa

Result

ND

ND

Action Level (PPM)

not present in 1 gram. AFLATOXIN G1 0.002 ppm not present in 1 gram. AFLATOXIN B2 0.002 ND 0.02 not present in 1 gram. AFLATOXIN B1 0.002 0.02 ppm ND **OCHRATOXIN A+** 0.002 ppm 0.02

LOD

0.002

Analysis Method -SOP.T.30.065, SOP.T.40.065

Analytical Batch -GA017101MYC | Reviewed On - 10/12/20 14:37:43

Instrument Used: GA-LCMS-001 MYC

Running On:

Batch Date: 10/08/20 11:07:16

Analyzed by

Weight 1.0050g

**Extraction date** 10/08/20 02:10:25

**Extracted By** 

0.02

0.02

#### Dilution

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20µg/Kg.

# Hg

### **Heavy Metals**

**PASSED** 

Reagent	Reagent	Dilution	Consums. ID	
041420.13	100620.R01	50	190624060	
091719.R07	110519.12		106667-05-100719	
092120.R47				
081420.12				
091720.R01				
100220.R03				

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	РРМ	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
MERCURY	0.02	PPM	ND	3
LEAD	0.05	PPM	ND	0.5
Analyzed by	Weight	Extractio	n date	Extracted By
650	0.5022g	10/05/20 13	1:10:28	1791

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -GA016866HEA | Reviewed On - 10/06/20 14:26:23

Instrument Used: GA-ICPMS-001-DER

Running On:

Batch Date: 10/05/20 09:50:30

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310. This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is

#### Jeremy Campbell

Lab Director

State License # CMTL-0001 ISO Accreditation # 97164



10/13/2020

Signature