

# Certificate of Analysis

## May 27, 2021 | Hempire State Growers Inc

1637 Rte 9W Milton, NY, 12547, US





#### Kaycha Labs 🔳 💥 ኒ

HSG CBD Massage Oi hybrid

Matrix: Derivative



Sample: KN10521013-002 Harvest/Lot ID: HW0920MS

Cultivation Facility: N/A

Processing Facility: HEMP-P-000102 Seed to Sale #11111

> Batch Date: 05/18/21 Batch#: HSG0521MO

Sample Size Received: 8 ml Total Weight/Volume: 3 ml

Retail Product Size: 50 ml

Ordered: 05/18/21 sampled: 05/18/21

Completed: 05/27/21 Expires: 05/27/22 Sampling Method: SOP.T.20.010

PASSED

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PRODUCT IMAGE

SAFETY RESULTS



Pesticides

**PASSED** 





Heavy Metals

PASSED



Microbials

**PASSED** 



Mycotoxins

PASSED



Solvents

**PASSED** 



**PASSED** 



Water Activity





Moisture

**NOT TESTED** 

**NOT TESTED** 

MISC.

CANNABINOID RESULTS



**Total THC** 0.133%



Total CBD 7.006%



**Total Cannabinoids** 7.884%



Filth

**PASSED** 

Weight **Extraction date Extracted By** 0.5108g NΑ Analyte LOD Filth and Foreign Material ND Analysis Method -SOP.T.40.013 Analytical Batch -KN000912FIL Batch Date: 05/24/21 09:53:46 Reviewed On - 05/24/21 10:09:43 Instrument Used: E-AMS-138 Microscope



#### **Cannabinoid Profile Test**

Analytical Batch - KN000916POT

Analyzed by Weight Extraction date : Extracted By :

Analyzed by Weight Extraction date:

13 0.215g 05/25/21 09/54.3

Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9THC:12.7%, THCa: 9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using coverage factor k=2 for a normal distribution. Reviewed On -

Batch Date: 05/25/21 09:46:23 14:58:57 Instrument Used: HPLC E-SHI-008

Reagent Consums, ID 120320.R02

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#### Sue Ferguson

Lab Director

State License # n/a ISO Accreditation # 17025:2017



05/27/21

Signature Signed On



#### Kaycha Labs

HSG CBD Massage Oil

hybrid Matrix : Derivative



# **Certificate of Analysis**

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Batch#: HSG0521MO Sampled: 05/18/21

Ordered: 05/18/21

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Total Weight/Volume: 3 ml

**Completed**: 05/27/21 **Expires**: 05/27/22

Sample Method: SOP.T.20.010

**Pesticides** 

**PASSED** 

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1637 Rte 9W

Milton, NY, 12547, US

Telephone: 9145899512

Email: dianed@hsgcbd.com

### **Pesticides**

### **PASSED**

Pesticides	LOD	Units	Action Level	Res
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
BOSCALID	0.01	ppm	3	ND
CARBARYL	0.01	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.01	ppm	0.5	ND
COUMAPHOS	0.01	ppm	0.1	ND
CYPERMETHRIN	0.01	ppm	1	ND
DAMINOZIDE	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.01	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND
FENHEXAMID	0.01	ppm	3	ND
FENOXYCARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	2	ND
FIPRONIL	0.01	ppm	0.1	ND
FLONICAMID	0.01	ppm	2	ND
FLUDIOXONIL	0.01	ppm	3	ND
HEXYTHIAZOX	0.01	ppm	2	ND
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm	3	ND
KRESOXIM-METHYL	0.01	ppm	1 /	ND
MALATHION	0.01	ppm	2	ND
METALAXYL	0.01	ppm	3	ND
METHIOCARB	0.01	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	3	ND
NALED	0.01	ppm	0.5	ND
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
PERMETHRINS	0.01	ppm	1	ND
PHOSMET	0.01	ppm	0.2	ND
	0.01	ppiii	V.2	ND

Pesticides	LOD	Units	Action Level	Result
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRINS	0.01	ppm	1	ND
PYRIDABEN	0.01	ppm	3	ND
SPINETORAM	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	0.01	ppm	1	ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND

Analyzed by	Weight	Extraction date	Extracted By	
143	0.5032g	05/24/21 10:05:36	143	
Analysis Method - SOP.	Г.30.060, SOP.T.40.060	,		
Analytical Batch - KN000909PES			Reviewed On- 05/24/21 10:09:43	
Instrument Used : E-SHI Running On : 05/24/21 1			Batch Date: 05/24/21 08:46:04	
Reagent		Dilution	Consums. ID	
112420.02 042021.R01		5	200618634 94789291.217	
052021.R01 052021.R02				

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). Analytes ISO pending. \*Based on FL action limits. \*

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Sue Ferguson

Lab Director

State License # n/a ISO Accreditation # 17025:2017 Sulinguan

05/27/21

Signature

Signed On



#### **Kaycha Labs**

HSG CBD Massage Oil hybrid

Matrix : Derivative



# **Certificate of Analysis**

Sample: KN10521013-002 Harvest/LOT ID: HW0920MS

Batch#: HSG0521MO Sampled: 05/18/21

Ordered: 05/18/21

Sample Size Received: 8 ml Total Weight/Volume: 3 ml

Completed: 05/27/21 Expires: 05/27/22

Sample Method: SOP.T.20.010

**PASSED** 

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### **Residual Solvents**

#### **PASSED**



#### **Residual Solvents**



Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
<b>BUTANES (N-BUTANE)</b>	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1.1-DICHLOROETHENE	0.8	ppm	8	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
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O DIMETHYLBENZENE	- 15	ppm		PASS	ND

	774		Lette
Analyzed by	Weight	Extraction date	Extracted By

05/24/21 09:05:53 Analysis Method -SOP.T.40.032

Analytical Batch - KN000906SOL Reviewed On - 05/25/21 18:34:16

Instrument Used: E-SHI-106 Residual Solvents Running On: 05/24/21 15:05:35

Batch Date: 05/21/21 14:04:18

Dilution Consums, ID Reagent 1065518282V1393

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). Analytes ISO pending. \*Based on FL action limits.

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Sue Ferguson

Lab Director

State License # n/a ISO Accreditation # 17025:2017



05/27/21

Signature

Signed On



#### Kaycha Labs

HSG CBD Massage Oi

hybrid

Matrix: Derivative



**PASSED** 

# **Certificate of Analysis**

Sample: KN10521013-002 Harvest/LOT ID: HW0920MS

Batch#: HSG0521MO Sampled: 05/18/21

Sample Size Received: 8 ml Total Weight/Volume: 3 ml Ordered: 05/18/21 Completed: 05/27/21 Expires: 05/27/22

Sample Method: SOP.T.20.010

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Milton , NY, 12547, US Telephone: 9145899512 Email: dianed@hsgcbd.com

1637 Rte 9W

#### **Microbials**

### PASSED

Result

not present in 1 gram.

not present in 1 gram

not present in 1 gram.

#### Mycotoxins

## **PASSED**

Analyte ESCHERICHIA COLI SHIGELLA SPE SALMONELLA\_SPECIFIC\_GENE ASPERGILLUS\_FLAVUS ASPERGILLUS\_FUMIGATUS ASPERGILLUS NIGER ASPERGILLUS TERREUS

Analysis Method -SOP.T.40.043

Analytical Batch - KN000915MIC Batch Date: 05/24/21

Instrument Used: Micro E-HEW-069

Running On: 05/25/21

Analyzed by 142

Weight 1.0071a

**Extraction date** 

LOD

**Extracted By** 

#### Reagent

042321.01 041621.04

112020.04

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

080			
nalyte	LOD	Units	Re
LATOXIN G2	0.002	ppm	ND
LATOXIN G1	0.002	ppm	ND

esult Action Level (PPM) AFL 0.02 0.02 AFL/ AFLATOXIN B2 0.002 ppm ND 0.02 AFLATOXIN B1 0.002 ppm ND 0.02 OCHRATOXIN A+ 0.002 ND 0.02 TOTAL MYCOTOXINS 0.000

Analysis Method -SOP.T.30.060, SOP.T.40.060

Analytical Batch -KN000910MYC | Reviewed On - 05/25/21 09:50:40

Instrument Used: E-SHI-125 Mycotoxins Running On: 05/24/21 12:29:37

Batch Date: 05/24/21 08:46:23

Analyzed by

Weight 0.5032g

Extraction date 05/24/21 12:05:06

**Extracted By** 

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflotoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg Analytes ISO pending. \*Based on FL action limits.

# Hg

#### **Heavy Metals**

### **PASSED**

Reagent	Dilution	Consums. ID
052021.R19	50	7226/0030021
040521.R03		190428060
040521.R04		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC-AS	0.02	ppm	ND	1.5
CADMIUM-CD	0.02	ppm	ND	0.5
MERCURY-HG	0.02	ppm	ND	3
LEAD-PB	0.02	ppm	ND	0.5
Analyzed by	Weight	Extractio	n date	Extracted By
12	0.2542g	05/25/21 12	2:05:04	12

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

Analytical Batch -KN000917HEA | Reviewed On - 05/27/21 13:24:15

Instrument Used: Metals ICP/MS

Running On:

Batch Date: 05/25/21 10:02:31

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. Analytes ISO Pending. \*Based on FL action limits.

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05/27/21

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