

# Certificate of Analysis

### Dec 09, 2020 | Plant Science Laboratories LLC

649 Wyoming Ave, Buffalo, NY, 14215

PRODUCT IMAGE SAFETY RESULTS









PASSED



Microbials





Solvents **PASSED** 



**PASSED** 



Water Activity



Moisture **NOT TESTED** 



Sample:CA01102004-006 Harvest/Lot ID: NYS-HF-0219-LOT-2%

Kaycha Labs

Matrix: Derivative

Full Spectrum Hemp Distillate Lotion

Seed to Sale #n/a

Batch Date :11/02/20

Batch#: 300-1-LOT-L-2% Sample Size Received: 100 gram

**Retail Product Size: 100** 

**Ordered**: 11/02/20

Sampled: 11/02/20 Completed: 12/09/20 Expires: 12/09/21

Sampling Method: SOP Client Method

PASSED

Page 1 of 4

MISC.



Heavy Metals



Mycotoxins









**NOT TESTED** 

#### CANNABINOID RESULTS



**Total THC** 0.097% THC/Container: 97.000 mg



**Total CBD** CBD/Container: 2614.000 mg



**Total Cannabinoids** 

Total Cannabinoids/Container :2834.000 mg



	CBDV	CBD	CBG	THCV	CBDA	CBGA	CBN	D9-THC	D8-THC	СВС	THCA-A
	<0.050	2.614%	0.039%	ND	ND	ND	<0.030	0.097%	ND	0.084%	ND
	<0.050	26.140 mg/g	0.390 mg/g	ND	ND	ND	<0.030	0.970 mg/g	ND	0.840 mg/g	ND
LOD	0.02	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.01
	%	%	%	%	%	%	%	%	%	%	%



Running On:

**PASSED** 

	/1 — A	A	$A \rightarrow A \rightarrow$	
Analyzed By	Weight	Extraction date	Extracted By	
1054	NA	NA		NA
Analyte			LOD	Result
Insect fragments,	hairs & mam	malian excreta	0.1	0
Analysis Method	1 -SOP.T.40.	013	Batch Date:	
<b>Analytical Batch</b>	-NA			
Instrument Used	d :			

#### **Cannabinoid Profile Test**

Analyzed by Extraction date: Extracted By: Analysis Method -SOP.T.40.020, SOP.T.30.050 Batch Date: 11/04/20 14:38:46 Instrument Used: HPLC-2030(MO-HPLC-02) Running On: Analytical Batch -CA000511POT

Reagent Dilution Consums, ID 091720.06 200110 200110 07/2019 VAV-09-1020 80081-188 5787599A

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 0.5 mg/L). The results of total THC, total CBD and total Cannabinoids in plant sample are reported on a dry weight basis.

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Haifei Yin

Lab Director

State License # NA ISO Accreditation # L18-47-1



Signature

12/09/2020



#### **Kaycha Labs**

Full Spectrum Hemp Distillate Lotion

Matrix: Derivative



**PASSED** 

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**Plant Science Laboratories LLC** 

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**Telephone:** (716) 836-9520 Email: Paul@plantsciencelabs.com Sample: CA01102004-006

Harvest/LOT ID: NYS-HF-0219-LOT-2%

Batch#:300-1-LOT-L-2% Sample Size Received:100 gram Sampled: 11/02/20 Completed: 12/09/20 Expires: 12/09/21 Ordered: 11/02/20

Sample Method: SOP Client Method

Page 2 of 4



### **Pesticides**

## **PASSED**

Pesticides	LOD	Units	Action Level	Result
DAMINOZIDE	0.00775	ug/g	0.00775	ND
ACEPHATE	0.00059	ug/g	0.1	ND
OXAMYL	0.00494	ug/g	0.5	ND
FLONICAMID	0.00748	ug/g	0.1	ND
THIAMETHOXAM	0.00238	ug/g	5	ND
METHOMYL	0.00351	ug/g	1	ND
IMIDACLOPRID	0.00355	ug/g	5	ND
ACETAMIPRID	0.00288	ug/g	0.1	ND
MEVINPHOS	0.00406	ug/g	0.00406	ND
DIMETHOATE	0.00221	ug/g	0.00221	ND
THIACLOPRID	0.00228	ug/g	0.00228	ND
IMAZALIL	0.00145	ug/g	0.00145	ND
ALDICARB	0.00894	ug/g	0.00894	ND
PROPOXUR	0.00898	ug/g	0.00898	ND
DICHLORVOS	0.01468	ug/g	0.01468	ND
CARBOFURAN	0.00560	ug/g	0.0056	ND
CARBARYL	0.00570	ug/g	0.5	ND
NALED	0.00275	ug/g	0.1	ND
CHLORANTRANILIPROLE	0.01079	ug/g	10	ND
METALAXYL	0.00095	ug/g	2	ND
PHOSMET	0.00288	ug/g	0.1	ND
AZOXYSTROBIN	0.00281	ug/g	0.1	ND
FLUDIOXONIL	0.00336	ug/g	0.1	ND
SPIROXAMINE	0.00138	ug/g	0.00138	ND
BOSCALID	0.00233	ug/g	0.1	ND
METHIOCARB	0.00509	ug/g	0.00509	ND
PACLOBUTRAZOL	0.00138	ug/g	0.00138	ND
MALATHION	0.00169	ug/g	0.5	ND
DIMETHOMORPH	0.00131	ug/g	2	ND
MYCLOBUTANIL	0.00191	ug/g	0.1	ND
BIFENAZATE	0.00203	ug/g	0.1	ND
FENHEXAMID	0.00108	ug/g	0.1	ND
SPIROTETRAMAT	0.01741	ug/g	0.1	ND
FIPRONIL	0.00206	ug/g	0.00206	ND
ETHOPROPHOS	0.00187	ug/g	0.00187	ND
FENOXYCARB	0.00193	ug/g	0.00193	ND
KRESOXIM-METHYL	0.00282	ug/g	0.1	ND
TEBUCONAZOLE	0.00092	ug/g	0.1	ND
COUMAPHOS	0.00163	ug/g	0.00163	ND
DIAZINON	0.00155	ug/g	0.1	ND
PROPICONAZOLE	0.00144	ug/g	0.1	ND
CLOFENTEZINE	0.00172	ug/g	0.1	ND
SPINETORAM	0.00040	ug/g	0.1	ND
TRIFLOXYSTROBIN	0.00128	ug/g	0.1	ND
PRALLETHRIN	0.00301	ug/g	0.1	ND
PIPERONYL BUTOXIDE	0.00128	ug/g	3	ND

Pesticides	LOD	Units	Action Level	Result
CHLORPYRIFOS	0.00716	ug/g	0.00716	ND
HEXYTHIAZOX	0.00156	ug/g	0.1	ND
ETOXAZOLE	0.00150	ug/g	0.1	ND
SPIROMESIFEN	0.00146	ug/g	0.1	ND
CYFLUTHRIN	0.08619	ug/g	2	ND
CYPERMETHRIN	0.00295	ug/g	1	ND
FENPYROXIMATE	0.00160	ug/g	0.1	ND
PYRIDABEN	0.00164	ug/g	0.1	ND
ABAMECTIN B1A	0.01609	ug/g	0.1	ND
ETOFENPROX	0.00239	ug/g	0.00239	ND
BIFENTHRIN	0.008	ug/g	3	ND
ACEQUINOCYL	0.00371	ug/g	0.1	ND
SPINOSADS	0.00115	ug/g	0.1	ND
PYRETHRINS	0.00240	ug/g	0.5	ND
PERMETHRINS	0.00275	ug/g	0.5	ND
PCNB *	0.029	ug/g	0.1	ND
PARATHION-METHYL *	0.019	ug/g	0.1	ND
CAPTAN *	0.110	ug/g	0.7	ND
CHLORDANE *	0.024	ug/g	0.1	ND
CHLORFENAPYR *	0.019	ug/g	0.1	ND

0	Pesticides			PASSED
Analyze		Weight NA	Extraction date	Extracted By

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

Analytical Batch - , CA000611VOL Instrument Used : , GCMS-TQ8050\_FLO(MO-GCMSTQ-01) Running On :

Batch Date :

Reagent Dilution Consums. ID

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).\*

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Haifei Yin

Lab Director

State License # NA ISO Accreditation # L18-47-1

12/09/2020

Signature



#### **Kaycha Labs**

Full Spectrum Hemp Distillate Lotion

Matrix: Derivative



**PASSED** 

# **Certificate of Analysis**

**Plant Science Laboratories LLC** 

649 Wyoming Ave, Buffalo, NY, 14215

**Telephone:** (716) 836-9520 Email: Paul@plantsciencelabs.com Sample: CA01102004-006

Harvest/LOT ID: NYS-HF-0219-LOT-2%

Batch#:300-1-LOT-L-2% Sample Size Received:100 gram Sampled: 11/02/20 Completed: 12/09/20 Expires: 12/09/21 Ordered: 11/02/20 Sample Method: SOP Client Method

Page 3 of 4



### **Residual Solvents**

### PASSED



#### **Residual Solvents**



Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,2- DICHLOROETHANE	0.1119	ug/g	1	PASS	ND
ACETONE	22.8676	ug/g	5000	PASS	ND
ACETONITRILE	30.1498	ug/g	410	PASS	ND
BENZENE	0.0897	ug/g	1	PASS	ND
BUTANE	45.9810	ug/g	5000	PASS	ND
CHLOROFORM	0.0760	ug/g	1	PASS	ND
ETHANOL	30.1944	ug/g	5000	PASS	369.605
ETHYL ACETATE	36.7999	ug/g	5000	PASS	ND
ETHYL ETHER	41.0580	ug/g	5000	PASS	ND
ETHYLENE OXIDE	0.1547	ug/g	1	PASS	ND
HEPTANE	46.7093	ug/g	5000	PASS	ND
ISOPROPANOL	32.8178	ug/g	5000	PASS	ND
METHANOL	27.6548	ug/g	3000	PASS	114.154
METHYLENE CHLORIDE	0.0585	ug/g	1	PASS	ND
N-HEXANE	47.3415	ug/g	290	PASS	ND
PENTANE	45.6067	ug/g	500	PASS	ND
PROPANE	49.9883	ug/g	500	PASS	ND
TOLUENE	44.1866	ug/g	890	PASS	ND
TRICHLOROETHYLENE	0.2173	ug/g	1	PASS	ND
XYLENES*	48.6566	ug/g	2170	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
1050	0.25g	NA	NA

Analysis Method -SOP.T.40.032

Analytical Batch -CA000613SOL Reviewed On - 12/04/20 09:35:20

Instrument Used: GCMS-QP2020(MO-GCMS-01)

Running On:

Batch Date: 12/03/20 13:37:30

Reagent	Dilution	Consums. ID
082720.07		REST-21764
110420.02		33011020200006
081020.R21		
011420.01		

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

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#### **Kaycha Labs**

Full Spectrum Hemp Distillate Lotion

N/A

Matrix: Derivative



# **Certificate of Analysis**

**PASSED** 

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Telephone: (716) 836-9520 Email: Paul@plantsciencelabs.com Sample: CA01102004-006

Harvest/LOT ID: NYS-HF-0219-LOT-2%

Batch#:300-1-LOT-L-2% Sample Size Received:100 gram
Sampled:11/02/20 Completed:12/09/20 Expires:12/09/21
Ordered:11/02/20 Sample Method:SOP Client Method

Page 4 of 4



#### **Microbials**

### **PASSED**

03086



#### **Mycotoxins**

## **PASSED**

Analyte	LOD	Result	Æ
SALMONELLA		not present in 1 gram.	C
ASPERGILLUS_FLAVUS		not present in 1 gram.	
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	Δ
ASPERGILLUS_NIGER		not present in 1 gram. not present in 1 gram. not present in 1 gram	۸
ASPERGILLUS_TERREUS		not present in 1 gram.	^
SHIGA TOXIN-PRODUCING ESCHERICHIA. COLI		not present in 1 gram	_

Analysis Method -SOP.T.40.043

Analytical Batch -CA000612MIC Batch Date: 12/03/20 Instrument Used: Sensovation SensoSpot Fluorescence

Running On:

Analyzed by 1069	Weight 1.01g	NA	NA
Reagent	Consums. ID	Consums. ID	Consums. ID
010920.22	10025-726	26219028	18353

010920.22 10025-726 26219028 110520.03 200103274 6980A10 010620.27 89012-778 107400-31-060120 215918 107533-17-071520 13-681-506 207379 76322-134 213955

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 Ravus, Aspergillus funiger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Analyte	LOD	Units	Result	Action Level (PPB)
OCHRATOXIN A+	5.000	μg/kg	ND	20
AFLATOXIN B1	0.5	ug/kg	ND	20
AFLATOXIN G1	0.5	ug/kg	ND	20
AFLATOXIN G2	1	ug/kg	ND	20
AFLATOXIN B2	0.5	ug/kg	ND	20
TOTAL AFLATOXINS (SUM	7.2	μg/kg	ND	20

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

Analytical Batch -CA000610MYC | Reviewed On - 12/07/20 12:32:47

Instrument Used: LCMS-8060 (MYC) (MO-LCMS-001)

Running On:

OF B1. B2. G1 &G2)

Batch Date: 12/03/20 12:05:07

Analyzed by	Weight	Extraction date	<b>Extracted By</b>
1051	NA	NA	NA

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  $<20\mu g/Kg$ . Ochratoxins must be  $<20\mu g/Kg$ .



#### **Heavy Metals**



Reagent	Reagent	Consums. ID
012420.01	101920.02	2003055-9D-0266-TA
010220.01		89049-174
030220.11		350518130
120219.03		
020320.02		
110920.R09		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.0007	μg/g	ND	0.2
CADMIUM	0.0036	μg/g	ND	0.2
LEAD	0.0085	μg/g	ND	0.5
MERCURY	0.0029	μg/g	0.054	0.1
Analyzed by	Weight	Extraction date		Extracted By
1050	0.514g	NA		NA

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

Analytical Batch -CA000608HEA | Reviewed On - 12/03/20 12:09:47

Instrument Used: ICPMS-2030(MO-ICPMS-01)

Running On:

Batch Date: 12/03/20 11:09:21

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.

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