



# Certificate of Analysis

**Sample:CA11214001-004**
**Harvest/Lot ID: 59**
**Batch#: 1211SKCD**
**Seed to Sale# N/A**
**Batch Date: 12/11/21**
**Sample Size Received: 12 gram**
**Total Weight/Volume: N/A**
**Retail Product Size: 1 gram**
**Ordered : 12/11/21**
**sampled : 12/11/21**
**Completed: 12/23/21 Expires: 12/23/22**
**Sampling Method: SOP Client Method**
**TESTED**

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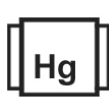
Dec 23, 2021 | HFP

100 Bayview Circle

Newport Beach, CA, 92660, US


**PRODUCT IMAGE**

**SAFETY RESULTS**

 Pesticides  
**PASS**

 Heavy Metals  
**PASS**

 Microbials  
**PASS**

 Mycotoxins  
**PASS**

 Residuals  
Solvents  
**NOT TESTED**

 Filtration  
**PASS**

 Water Activity  
**PASS**

 Moisture  
**TESTED**

 Terpenes  
**TESTED**
**MISC.**
**CANNABINOID RESULTS**

**Total THC**  
**0.661%**

**Total CBD**  
**13.138%**

**Total Cannabinoids**  
**16.034%**
**Filtration** **PASS**

Analyzed By	Weight	Extraction date	Extracted By
1048	NA	NA	NA
Analyte	LOD	Result	
Insect fragments, hairs & mammalian excreta	0.1	0	
<b>Analysis Method -SOP.T.40.013</b>			
<b>Analytical Batch -CA001189FIL</b>		<b>Batch Date : 12/17/21 08:37:00</b>	
<b>Instrument Used :</b>		<b>Reviewed On - 12/17/21 08:43:55</b>	
<b>Running On :</b>			

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection.

**Water Activity** **PASS**

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
WATER ACTIVITY	1048	0.513g	12/17/21	0.001 Aw	0.65Aw	0.578Aw
<b>Analysis Method -Water activity:</b>						
Expanded measurement of uncertainty: 0.016. Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution.						
<b>Analytical Batch -CA001190WAT</b>						<b>Batch Date : 12/17/21 08:37:35</b>
<b>Instrument Used : Rotronic Water Meter HygroPalm23-AW (MO-WA-01)</b>						<b>Reviewed On - 12/17/21 12:30:26</b>

**Moisture** **TESTED**

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
MOISTURE CONTENT	1048	0.532g	12/15/21	1%		12.59%
<b>Analysis Method -SOP.T.40.011</b>						
<b>Analytical Batch -CA001179MOI</b>		<b>Batch Date : 12/15/21 10:22:20</b>				
<b>Instrument Used : Shimadzu UniBloc Moisture Content Analyzer (MO-MA-01)</b>		<b>Reviewed On - 12/15/21 11:24:36</b>				

**Cannabinoid Profile Test**

Analyzed by	Weight	Extraction date :	Extracted By :
1068	0.509g	12/15/21 12:12:57	1068
<b>Analysis Method -SOP.T.40.020, SOP.T.30.050</b>		<b>Batch Date : 12/15/21 09:56:32</b>	
<b>Analytical Batch -CA001178POT</b>		<b>Instrument Used : HPLC-3Dplus(MO-HPLC-01)</b>	
<b>Running On :</b>			

Reagent	Dilution	Consums. ID
060121.23	400	PS-7510-1
120321.R01		VAV-09-1020
120221.R01		ALK-09-1412
121521.R01		80081-188
081021.03		YO205AH0003090
		842751369
		QU24030
		960550288
		F2300-20

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. Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution. This sample contains significant unquantified, unreported, non-target THC isomers, analogs, derivatives (possibly including, but not limited to exo-THC, delta-9(11)-THC, delta-10-THC, THC-esters, and others) that are beyond the scope of this assay & may be indicative of chemical synthesis

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 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.

**Haifei Yin**  
 Lab Director

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


  
 Signature

12/23/21

Signed On



# Certificate of Analysis

**TESTED**
**HFP**

 100 Bayview Circle  
 Newport Beach, CA, 92660, US  
**Telephone:** 9497020532  
**Email:** jenna@hempflowerprime.com


**Sample : CA11214001-004**
**Harvest/Lot ID: 59**
**Batch# : 1211SKCD**
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**Ordered : 12/11/21**
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**Sample Method : SOP Client Method**

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## Terpenes

**TESTED**

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-PINENE	0.0625	ND	ND		<div><div></div><div>Terpenes</div></div> <div>TESTED</div>				
ALPHA-TERPINENE	0.0625	ND	ND						
ALPHA-BISABOLOL	0.0625	ND	ND						
BETA-CARYOPHYLLENE	0.0625	2.268	0.226						
BETA-MYRCENE	0.0624	ND	ND						
BETA-PINENE	0.0625	2.252	0.225						
CAMPHENE	0.0625	ND	ND						
(-)-CARYOPHYLLENE OXIDE	0.0625	ND	ND						
CIS-NEROLIDOL	0.05375	ND	ND						
D-LIMONENE	0.0625	ND	ND						
DELTA-3-CARENE	0.0625	ND	ND						
EUCALYPTOL	0.0625	ND	ND						
GAMMA TERPINENE	0.0625	ND	ND						
GERANIOL	0.0625	ND	ND						
GUAIOL	0.0625	ND	ND						
HUMULENE	0.0625	0.733	0.073						
ISOPULEGOL	0.0625	ND	ND						
LINALOOL	0.0625	ND	ND						
OCIMENE ISOMER 1	0.0375	ND	ND						
P-CYME	0.0625	ND	ND						
OCIMENE ISOMER 2	0.0875	ND	ND						
TERPINOLENE	0.0625	ND	ND						
TRANS-NEROLIDOL	0.07125	0.792	0.079						
Total	6047.71 (ppm)	0.604 (%)							



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**Sample Method : SOP Client Method**

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## Pesticides

**PASS**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DAMINOZIDE	0.04	ug/g	0.02	ND	HEXYTHIAZOX	0.01	ug/g	2	ND
ACEPHATE	0.01	ug/g	5	ND	ETOXAZOLE	0.01	ug/g	1.5	ND
OXAMYL	0.01	ug/g	0.2	ND	SPIROMESIFEN	0.01	ug/g	12	ND
FLONICAMID	0.02	ug/g	2	ND	CYFLUTHRIN	0.08	ug/g		ND
THIAMETHOXAM	0.01	ug/g	4.5	ND	CYPERMETHRIN	0.02	ug/g	1	ND
METHOMYL	0.01	ug/g	0.1	ND	FENPYROXIMATE	0.01	ug/g	2	ND
IMIDACLOPRID	0.01	ug/g	3	ND	PYRIDABEN	0.01	ug/g	3	ND
ACETAMIPRID	0.01	ug/g	5	ND	ABAMECTIN	0.007	ug/g	0.3	ND
MEVINPHOS	0.02	ug/g	0.01	ND	ETOFENPROX	0.01	ug/g	0.005	ND
DIMETHOATE	0.01	ug/g	0.005	ND	BIFENTHRIN	0.01	ug/g	0.5	0.031
THIACLOPRID	0.01	ug/g	0.005	ND	ACEQUINOCYL	0.01	ug/g	4	ND
IMAZALIL	0.01	ug/g	0.005	ND	SPINOSAD	0.01	ug/g		ND
ALDICARB	0.01	ug/g	0.005	ND	SPINETORAM	0.01	ug/g	3	ND
PROPOXUR	0.01	ug/g	0.005	ND	PERMETHRIN	0.01	ug/g		ND
DICHLORVOS	0.01	ug/g	0.005	ND	PYRETHRINS	0.017	ug/g		ND
CARBOFURAN	0.01	ug/g	0.005	ND	PENTACHLORONITROBENZENE (PCNB)	0.01873	ug/g	0.2	ND
CARBARYL	0.01	ug/g	0.5	ND	METHYL PARATHION *	0.01356	ug/g	0.008	ND
NALED	0.04	ug/g	0.5	ND	CAPTAN *	0.03668	ug/g	5	ND
CHLORANTRANILIPROLE	0.01	ug/g	40	0.067	CHLORDANE *	0.02115	ug/g	0.018	ND
METALAXYL	0.01	ug/g	15	ND	CHLORFENAPYR *	0.01981	ug/g	0.018	ND
PHOSMET	0.01	ug/g	0.2	ND					
AZOXYSTROBIN	0.01	ug/g	40	ND					
FLUDIOXONIL	0.02	ug/g	30	ND					
SPIROXAMINE	0.01	ug/g	0.005	ND					
BOSCALID	0.01	ug/g	10	ND					
METHIOCARB	0.01	ug/g	0.005	ND					
PACLOBUTRAZOL	0.01	ug/g	0.005	ND					
MALATHION	0.01	ug/g	5	ND					
DIMETHOMORPH	0.01	ug/g	20	ND					
MYCLOBUTANIL	0.01	ug/g	9	ND					
BIFENAZATE	0.01	ug/g	5	<0.02					
FENHEXAMID	0.02	ug/g	10	ND					
SPIROTETRAMAT	0.01	ug/g	13	ND					
FIPRONIL	0.01	ug/g	0.005	ND					
ETHOPROPHOS	0.01	ug/g	0.005	ND					
FENOXYCARB	0.01	ug/g	0.005	ND					
KRESOXIM-METHYL	0.01	ug/g	1	ND					
TEBUCONAZOLE	0.01	ug/g	2	ND					
COUMAPHOS	0.01	ug/g	0.005	ND					
DIAZINON	0.01	ug/g	0.2	ND					
PROPICONAZOLE	0.01	ug/g	20	ND					
CLOFENTEZINE	0.01	ug/g	0.5	ND					
TRIFLOXYSTROBIN	0.01	ug/g	30	ND					
PRALLETHRIN	0.01	ug/g	0.4	ND					
PIPERONYL BUTOXIDE	0.01	ug/g	8	ND					
CHLORPYRIFOS	0.01	ug/g	0.005	ND					



## Pesticides

**PASS**
**Analyzed by**  
 1051, 1051

**Weight**  
 0.508g

**Extraction date**  
 NA

**Extracted By**  
 NA

Analysis Method - SOP.T.30.060, SOP.T.40.060, Pesticide screen is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 5 Volatile Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis and SOP.T.40.070 Procedure for Pesticide Quantification Using GCMS).

Analytical Batch - CA001196PES, CA001198VOL

Reviewed On- 12/17/21

08:43:55

Instrument Used : LCMS-8060 (PES) (MO-LCMS-01), GCMS-TQ8050\_DER(MO-GCMSTQ-01)

Running On :

Batch Date : 12/21/21 12:10:49

### Reagent

### Dilution

### Consums. ID

 111720.04  
 121021.003  
 122021.002  
 062821.01  
 093021.003  
 122021.001  
 121521.004

10

 PS-7510-1  
 VAV-09-1020  
 66022-060  
 ALK-09-1412  
 80081-188  
 L398261  
 L422921  
 L371381  
 CA00922001-001  
 470228-424  
 298076054  
 286064127  
 76124-646

Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution. \*





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	<b>Microbials</b>	<b>PASS</b>
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Analyte	LOD	Result
SALMONELLA		not present in 1 gram.
ASPERGILLUS_FLAVUS		not present in 1 gram.
ASPERGILLUS_FUMIGATUS		not present in 1 gram.
ASPERGILLUS_NIGER		not present in 1 gram.
ASPERGILLUS_TERREUS		not present in 1 gram.
SHIGA_TOXIN_PRODUCING_ESCHERICHIA_COLI		not present in 1 gram.
SHIGA_TOXIN_PRODUCING_ESCHERICHIA_COLI		not present in 1 gram.

**Analysis Method -SOP.T.40.043**
**Analytical Batch -CA001191MIC Batch Date : 12/17/21 14:42:33**
**Instrument Used : Sensovation SensoSpot Fluorescence**
**Running On :**

Analyzed by	Weight	Extraction date	Extracted By
1755	NA	NA	NA

Reagent	Dilution	Consums. ID	Consums. ID	Consums. ID	Consums. ID	Consums. ID
021621.01	1	215918	26219028	209058	QU30249	960550291
090921.R09		53511-997	75830-564	226378	QU27000	QU24028
090921.R10		13-681-506	6980A10	1089615	RU13471	QU28720
093021.01		76322-154	107400-31-060120	19210331	RU14275	RU14274
		1059-965	107533-17-071520	QU26793	RU12041	RU11952
		76322-134	207379	QU27364	842730950	

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.

	<b>Mycotoxins</b>	<b>PASS</b>
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Analyte	LOD	Units	Result	Action Level
OCHRATOXIN A	10	µg/kg	ND	20
AFLATOXIN B1	2	ug/kg	ND	20
AFLATOXIN G1	2	ug/kg	ND	20
AFLATOXIN G2	4	ug/kg	ND	20
AFLATOXIN B2	2	ug/kg	ND	20
TOTAL OF AFLATOXINS (SUM OF B1, B2, G1 & G2)	10	µg/kg	ND	20

**Analysis Method -SOP.T.30.060, SOP.T.40.060**
**Analytical Batch -CA001197MYC | Reviewed On - 12/22/21 15:50:29**
**Instrument Used : LCMS-8060 (MYC) (MO-LCMS-01)**
**Running On :**
**Batch Date : 12/21/21 12:15:04**

Analyzed by	Weight	Extraction date	Extracted By
1051	0.508g	NA	NA

Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution.

	<b>Heavy Metals</b>	<b>PASS</b>
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Reagent	Reagent	Reagent	Dilution	Consums. ID	Consums. ID
010220.01	121421.R08	051920.01	1	2003055-9D-0266-TA	O448591
121421.R03	121421.R09	120919.01		89049-174	O484501
121421.R04	121421.R10			350518130	
121421.R05	091720.02			19303688	
121421.R06	102121.R01			19210388	
121421.R07	062521.01			19210576	

Metal	LOD	Unit	Result	Action Level
ARSENIC	0.001	µg/g	0.178	1.5
CADMIUM	0.004	µg/g	0.19	0.5
LEAD	0.009	µg/g	0.3	0.5
MERCURY	0.003	µg/g	<LOQ	3

Analyzed by	Weight	Extraction date	Extracted By
1694	0.512g	NA	NA

**Analysis Method -SOP.T.40.050, SOP.T.30.052**
**Analytical Batch -CA001180HEA | Reviewed On - 12/16/21 11:20:31**
**Instrument Used : ICPMS-2030(MO-ICPMS-01)**
**Running On :**
**Batch Date : 12/15/21 11:21:05**

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. Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution.