



Sample: CA01217003-006

Harvest/Lot ID: 0001

Seed to Sale #NA

Batch Date : 12/01/20

Batch#: 0001

Sample Size Received: 10 gram

Retail Product Size: 454

Ordered : 12/17/20

Sampled : 12/17/20

Completed: 12/21/20 Expires: 12/21/21

Sampling Method: SOP Client Method

Certificate of Analysis

Dec 21, 2020 | HFP

100 Bayview Circle
Newport Beach, CA, 92660, US



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PRODUCT IMAGE SAFETY RESULTS



Pesticides
TESTED



Heavy Metals
TESTED



Microbials
TESTED



Mycotoxins
TESTED



Residuals
Solvents
NOT TESTED



Filtration
TESTED



Water Activity
TESTED



Moisture
TESTED



Terpenes
TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.669%



Total CBD
14.455%



Total Cannabinoids
17.552%

CBDV	CBD	CBG	THCV	CBDA	CBGA	CBN	D9-THC	D8-THC	CBC	THCA-A
ND	0.512%	ND	ND	14.208%	0.347%	ND	ND	ND	ND	0.685%
ND	5.120 mg/g	ND	ND	142.080 mg/g	3.470 mg/g	ND	ND	ND	ND	6.850 mg/g
LOD 0.02 %	0.01 %	0.01 %	0.02 %	0.02 %	0.02 %	0.01 %	0.02 %	0.02 %	0.01 %	0.01 %

Filtration **TESTED**

Analyzed By	Weight	Extraction date	Extracted By
1048	1g	NA	
Analyte	Insect fragments, hairs & mammalian excreta		
Analysis Method	SOP.T.40.013	Batch Date	12/11/20 14:52:13
Analytical Batch	CA000623FIL	Reviewed On	12/18/20 09:14:51
Instrument Used	Running On :		

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 use for inspection.

Water Activity **TESTED**

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
WATER ACTIVITY	1048	0.539g	12/18/20	0.001 Aw	0.65Aw	0.528 aW
Analysis Method	-THIS IS YOUR SOP					
Analytical Batch	CA000624WAT	Reviewed On	12/14/20 09:17:32			
Instrument Used	Rotronic Water Meter HygroPalm23-AW (MO-WA-01)					
Running On						

Moisture **TESTED**

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
MOISTURE CONTENT	1048	0.542g	12/18/20	0.1 %		10.260 %
Analysis Method	-SOP.T.40.011					
Analytical Batch	CA000616MOI	Reviewed On	12/09/20 15:14:46			
Instrument Used	Shimadzu UniBloc Moisture Content Analyzer (MO-MA-01)					
Running On						

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1068	0.515g	NA	NA
Analysis Method	-SOP.T.40.020, SOP.T.30.050		
Analytical Batch	CA000634POT	Reviewed On	12/21/20 14:12:00
Instrument Used	HPLC-3Dplus(MO-HPLC-01)		
Running On			

Reagent	Dilution	Consums. ID
111720.02	20	200110
093020.03		VAV-09-1020
110420.07		80081-188
113020.05		Y0189AF002398
		842751369
		K471831
		L327011
		SFN-BV-1025

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

12/21/2020

Signed On



Certificate of Analysis

HFP

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

Sample : CA01217003-006

Harvest/LOT ID: 0001

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Sampled : 12/17/20

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Sample Size Received : 10 gram

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Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD ppm	PPM	%	Result (%)	Terpenes	LOD ppm	PPM	%	Result (%)
ALPHA-PINENE	1250	ND	ND						
ALPHA-TERPINENE	1250	ND	ND						
ALPHA-BISABOLOL	1250	ND	ND						
BETA-CARYOPHYLLENE	1250	2137.28	0.2137						
BETA-MYRCENE	1250	ND	ND						
BETA-PINENE	1250	15264.13	1.5264						
CAMPHENE	1250	ND	ND						
(-)-CARYOPHYLLENE OXIDE	1250	ND	ND						
CIS-NEROLIDOL	537.5	ND	ND						
D-LIMONENE	1250	2079.13	0.2079						
DELTA-3-CARENE	1250	ND	ND						
EUCALYPTOL	1250	ND	ND						
GAMMA TERPINENE	1250	ND	ND						
GERANIOL	1250	ND	ND						
GUAJOL	1250	1562.99	0.1562						
HUMULENE	1250	1287.00	0.1287						
ISOPULEGOL	1250	ND	ND						
LINALOOL	1250	ND	ND						
OCIMENE ISOMER 1	375	ND	ND						
P-CYMENE	1250	ND	ND						
OCIMENE ISOMER 2	875	ND	ND						
TERPINOLENE	1250	ND	ND						
TRANS-NEROLIDOL	712.5	1866.59	0.1866						
Total		24197.139	2.4197						



Terpenes

TESTED

Analyzed by 1050 Weight 0.507g Extraction date NA Extracted By NA

Analysis Method -SOP.T.40.091
Analytical Batch -CA000642TER Reviewed On - 12/21/20 10:37:41
Instrument Used : GC-2030 FID(MO-GCFID-01)
Running On :
Batch Date : 12/18/20 12:41:23

Reagent	Dilution	Consums. ID
112020.01		REST-21764
041320.10		33011020200006
041320.07		
081420.R01		
GC_FID		

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Lab Director
State License # NA
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Signature

12/21/2020
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Certificate of Analysis

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Sample Method : SOP Client Method

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Pesticides

TESTED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DAMINOZIDE	0.016	ug/g	0.016	ND	CHLORPYRIFOS	0.014	ug/g	0.014	ND
ACEPHATE	0.00059	ug/g	0.1	ND	HEXYTHIAZOX	0.00156	ug/g	0.1	ND
OXAMYL	0.00494	ug/g	0.5	ND	ETOXAZOLE	0.00150	ug/g	0.1	ND
FLONICAMID	0.00748	ug/g	0.1	ND	SPIROMESIFEN	0.00146	ug/g	0.1	ND
THIAMETHOXAM	0.00238	ug/g	5	ND	CYLUTHRIN	0.08619	ug/g	2	ND
METHOMYL	0.00351	ug/g	1	ND	CYPERMETHRIN	0.00295	ug/g	1	ND
IMIDACLOPRID	0.00355	ug/g	5	ND	FENPYROXIMATE	0.00160	ug/g	0.1	ND
ACETAMIPRID	0.00288	ug/g	0.1	ND	PYRIDABEN	0.00164	ug/g	0.1	ND
MEVINPHOS	0.0081	ug/g	0.0081	ND	ABAMECTIN B1A	0.01609	ug/g	0.1	ND
DIMETHOATE	0.0044	ug/g	0.0044	ND	ETOFENPROX	0.0048	ug/g	0.0048	ND
THIACLOPRID	0.0046	ug/g	0.0046	ND	BIFENTHRIN	0.008	ug/g	3	ND
IMAZALIL	0.0029	ug/g	0.0029	ND	ACEQUINOCYL	0.00371	ug/g	0.1	ND
ALDICARB	0.018	ug/g	0.018	ND	SPINOSADS	0.00115	ug/g	0.1	0.322
PROPOXUR	0.018	ug/g	0.018	ND	PYRETHRINS	0.00240	ug/g	0.5	ND
DICHLORVOS	0.029	ug/g	0.029	ND	PERMETHRINS	0.00275	ug/g	0.5	ND
CARBOFURAN	0.011	ug/g	0.011	ND	PCNB *	0.029	ug/g	0.1	ND
CARBARYL	0.00570	ug/g	0.5	ND	PARATHION-METHYL *	0.019	ug/g	0.1	ND
NALED	0.00275	ug/g	0.1	ND	CAPTAN *	0.110	ug/g	0.7	ND
CHLORANTRANILIPROLE	0.01079	ug/g	10	ND	CHLORDANE *	0.024	ug/g	0.1	ND
METALAXYL	0.00095	ug/g	2	ND	CHLORFENAPYR *	0.019	ug/g	0.1	ND
PHOSMET	0.00288	ug/g	0.1	ND					
AZOXYSTROBIN	0.00281	ug/g	0.1	<0.009					
FLUDIOXONIL	0.00336	ug/g	0.1	ND					
SPIROXAMINE	0.0028	ug/g	0.0028	ND					
BOSCALID	0.00233	ug/g	0.1	ND					
METHIACARB	0.010	ug/g	0.01	ND					
PACLOBUTRAZOL	0.0028	ug/g	0.0028	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	0.0041	ug/g	0.0041	ND					
ETHOPROPHOS	0.0037	ug/g	0.0037	ND					
FENOXYCARB	0.0039	ug/g	0.0039	ND					
KRESOXIM-METHYL	0.00282	ug/g	0.1	ND					
TEBUCONAZOLE	0.00092	ug/g	0.1	ND					
COUMAPHOS	0.0033	ug/g	0.0033	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	0.010					
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 **TESTED**

Analyzed by 1051 , 1051	Weight 0.504g	Extraction date NA	Extracted By NA ,
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Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
Analytical Batch - CA000643PES , CA000640VOL
Instrument Used : LCMS-8060 (PES) (MO-LCMS-001) , GCMS-TQ8050_FLO(MO-GCMSTQ-01)
Running On :
Batch Date : 12/19/20 10:27:39

Reagent	Dilution	Consums. ID
	1	

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). *

Reviewed On- 12/18/20 09:14:51

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Lab Director

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Signature

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Completed : 12/21/20 Expires: 12/21/21

Sample Method : SOP Client Method

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	Microbials	TESTED		Mycotoxins	TESTED
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Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level (PPB)
SALMONELLA		not present in 1 gram.	OCHRATOXIN A+	5.000	µg/kg	ND	20
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN B1	0.5	µg/kg	ND	20
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	AFLATOXIN G1	0.5	µg/kg	ND	20
ASPERGILLUS_NIGER		not present in 1 gram.	AFLATOXIN G2	1	µg/kg	ND	20
ASPERGILLUS_TERREUS		not present in 1 gram.	AFLATOXIN B2	0.5	µg/kg	ND	20
SHIGA_TOXIN-PRODUCING ESCHERICHIA. COLI		not present in 1 gram.	TOTAL AFLATOXINS (SUM OF B1, B2, G1 & G2)	7.2	µg/kg	ND	20

Analysis Method -SOP.T.40.043

Analytical Batch -CA000638MIC Batch Date : 12/18/20

Instrument Used : Sensovation SensoSpot Fluorescence

Running On :

Analyzed by	Weight	Extraction date	Extracted By
1069	1.03g	12/21/20	1069

Reagent Consums. ID	Consums. ID	Consums. ID	Consums. ID	Consums. ID	Consums. ID
010620.27	10025-726	26219028	QU27364	960550291	18353
200103274	6980A10	QU27000	QU24028	216215	
89012-778	107400-31-060120	RU13471	QU28720	03086	
215918	107533-17-071520	RU14275	RU14274		
13-681-506	207379	RU12041	RU11952		
76322-134	QU26793	842730950	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 flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

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

Analytical Batch -CA000641MYC | Reviewed On - 12/19/20 10:43:22

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

Running On :

Batch Date : 12/18/20 12:24:58

Analyzed by	Weight	Extraction date	Extracted By
1051	1g	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. LQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

	Heavy Metals	TESTED
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Reagent	Reagent	Consums. ID
012420.01	020320.02	2003055-9D-0266-TA
010220.01	110920.R09	89049-174
030220.11	101920.02	350518130
101920.R03		
121420.R03		
120219.03		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.0007	µg/g	0.091	0.2
CADMIUM	0.0036	µg/g	0.095	0.2
LEAD	0.0085	µg/g	0.188	0.5
MERCURY	0.0029	µg/g	0.014	0.1

Analyzed by	Weight	Extraction date	Extracted By
1050	0.561g	NA	NA

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

Analytical Batch -CA000639HEA | Reviewed On - 12/18/20 14:25:22

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

Running On :

Batch Date : 12/18/20 12:20:33

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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