



Certificate of Analysis

Sample: CA1112002-008

Harvest/Lot ID: 29

Batch#: 1015B59GH

Seed to Sale# N/A

Batch Date: 10/15/21

Sample Size Received: 12 gram

Total Weight/Volume: N/A

Retail Product Size: 1 gram

Ordered: 11/12/21

sampled: 11/12/21

Completed: 11/22/21 Expires: 11/22/21

Sampling Method: SOP Client Method

TESTED

Page 1 of 4

Nov 22, 2021 | HFP

100 Bayview Circle
Newport Beach, CA, 92660, US



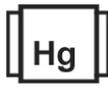
PRODUCT IMAGE



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
1.022%



Total CBD
18.662%



Total Cannabinoids
22.971%

Filtration **PASS**

Analyzed By	Weight	Extraction date	Extracted By
1048	NA	NA	NA
Analyte	LOD	Result	
Insect fragments, hairs & mammalian excreta	0.1	0	
Analysis Method -SOP.T.40.013		Batch Date :	
Analytical Batch -NA		Reviewed On - 11/17/21 11:39:24	
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 used for inspection.

Water Activity **PASS**

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
WATER ACTIVITY	1048	0.520g	NA	0.001 Aw	0.65Aw	0.531Aw
Analysis Method -Water activity: 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.						
Analytical Batch -CA001125WAT			Batch Date : 11/15/21 10:33:59			
Instrument Used : Rotronic Water Meter HygroPalm23-AW (MO-WA-01)			Reviewed On - 11/17/21 11:44:13			

Moisture **TESTED**

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
MOISTURE CONTENT	1048	0.536g	11/15/21	1%		9.51%
Analysis Method -SOP.T.40.011		Batch Date : 11/15/21 10:33:07				
Analytical Batch -CA001124MOI		Reviewed On - 11/16/21 09:26:06				
Instrument Used : Shimadzu UniBloc Moisture Content Analyzer (MO-MA-01)						

	CBDV	CBD	CBG	THCV	CBDA	CBGA	CBN	D9-THC	D8-THC	CBC	THCA-A
%	ND	0.308	ND	ND	18.905	0.519	ND	ND	ND	ND	1.055
mg/g	ND	3.08	ND	ND	189.05	5.19	ND	ND	ND	ND	10.55
LOD	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1068	0.506g	NA	NA
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 11/17/21 09:11:27	
Analytical Batch -CA001127POT		Instrument Used : HPLC-3Dplus(MO-HPLC-01) Running On :	
		Batch Date : 11/16/21 11:31:47	

Reagent	Dilution	Consums. ID
081021.02	400	PS-7510-1
060121.23		VAV-09-1020
111221.R01		ALK-09-1412
111621.R01		20050390
111121.R03		842751369
		K471831
		L327011
		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

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Haifei Yin
Lab Director

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



Signature

11/22/21

Signed On



Certificate of Analysis

TESTED

HFP

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

Sample : CA11112002-008

Harvest/LOT ID: 29

Batch# : 1015B59GH

Sampled : 11/12/21

Ordered : 11/12/21

Sample Size Received : 12 gram

Total Weight/Volume : N/A

Completed : 11/22/21 Expires: 11/22/22

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 style="border: 1px solid black; padding: 5px;"> <p>Terpenes TESTED</p> <p> Analyzed by 1695 Weight 0.506g Extraction date NA Extracted By NA Analysis Method -SOP.T.40.091 Instrument Used : GC-2030 FID(MO-GCFID-01) Reviewed On - 11/18/21 12:41:25 Running On : Batch Date : 11/17/21 12:58:22 </p> <table border="1"> <thead> <tr> <th>Reagent</th> <th>Dilution</th> <th>Consums. ID</th> </tr> </thead> <tbody> <tr> <td>060121.22</td> <td>1</td> <td>9299.077</td> </tr> <tr> <td>041320.10</td> <td></td> <td>ALK-09-1412</td> </tr> <tr> <td>041320.07</td> <td></td> <td>1904903</td> </tr> <tr> <td>021621.01</td> <td></td> <td>80081-188</td> </tr> <tr> <td></td> <td></td> <td>10854-122</td> </tr> <tr> <td></td> <td></td> <td>960520083</td> </tr> <tr> <td></td> <td></td> <td>QU24030</td> </tr> <tr> <td></td> <td></td> <td>0484501</td> </tr> <tr> <td></td> <td></td> <td>1904903</td> </tr> <tr> <td></td> <td></td> <td>REST-21764</td> </tr> <tr> <td></td> <td></td> <td>33011020200006</td> </tr> </tbody> </table> <p><small>Terpene: Terpenoid profile screening is performed using GC-FID which can screen 21 terpenes using Method SOP.T.40.091. Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution.</small></p> </div>	Reagent	Dilution	Consums. ID	060121.22	1	9299.077	041320.10		ALK-09-1412	041320.07		1904903	021621.01		80081-188			10854-122			960520083			QU24030			0484501			1904903			REST-21764			33011020200006
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		1904903																																							
		REST-21764																																							
		33011020200006																																							
ALPHA-TERPINENE	0.0625	ND	ND																																						
ALPHA-BISABOLOL	0.0625	ND	ND																																						
BETA-CARYOPHYLLENE	0.0625	1.98	0.198																																						
BETA-MYRCENE	0.0624	ND	ND																																						
BETA-PINENE	0.0625	ND	ND																																						
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	ND	ND																																						
ISOPULEGOL	0.0625	ND	ND																																						
LINALOOL	0.0625	ND	ND																																						
OCIMENE ISOMER 1	0.0375	ND	ND																																						
P-CYMENE	0.0625	ND	ND																																						
OCIMENE ISOMER 2	0.0875	ND	ND																																						
TERPINOLENE	0.0625	ND	ND																																						
TRANS-NEROLIDOL	0.07125	ND	ND																																						
Total	1980.353 (ppm)	0.198 (%)																																							

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Haifei Yin
Lab Director
State License # NA
ISO Accreditation #
L18-47-1



Signature

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Sample : CA11112002-008

Harvest/LOT ID: 29

Batch# : 1015B59GH

Sampled : 11/12/21

Ordered : 11/12/21

Sample Size Received : 12 gram

Total Weight/Volume : N/A

Completed : 11/22/21 Expires: 11/22/22

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	0.01	ND	HEXYTHIAZOX	0.01	ug/g	0.1	ND
ACEPHATE	0.01	ug/g	0.1	ND	ETOXAZOLE	0.01	ug/g	0.1	ND
OXAMYL	0.01	ug/g	0.5	ND	SPIROMESIFEN	0.01	ug/g	0.1	ND
THIAMETHOXAM	0.01	ug/g	5	ND	CYFLUTHRIN	0.08	ug/g	2	ND
METHOMYL	0.01	ug/g	1	ND	CYPERMETHRIN	0.02	ug/g	1	ND
IMIDACLOPRID	0.01	ug/g	5	ND	FENPYROXIMATE	0.01	ug/g	0.1	ND
ACETAMIPRID	0.01	ug/g	0.1	ND	PYRIDABEN	0.01	ug/g	0.1	ND
MEVINPHOS	0.02	ug/g	0.02	ND	ABAMECTIN B1A	0.007	ug/g	0.1	ND
DIMETHOATE	0.01	ug/g	0.01	ND	ETOFENPROX	0.01	ug/g	0.01	ND
THIACLOPRID	0.01	ug/g	0.01	ND	BIFENTHRIN	0.01	ug/g	3	ND
IMAZALIL	0.01	ug/g	0.01	ND	ACEQUINOCYL	0.01	ug/g	0.1	ND
ALDICARB	0.01	ug/g	0.01	ND	SPINOSADS	0.002	ug/g	0.1	ND
PROPOXUR	0.01	ug/g	0.01	ND	SPINETORAM	0.01	ug/g	0.1	ND
DICHLORVOS	0.01	ug/g	0.01	ND	PERMETHRINS	0.001	ug/g	0.5	ND
CARBOFURAN	0.01	ug/g	0.01	ND	PYRETHRINS	0.001	ug/g	0.5	ND
CARBARYL	0.01	ug/g	0.5	ND	PCNB *	0.01873	ug/g	0.1	ND
NALED	0.04	ug/g	0.1	ND	PARATHION-METHYL *	0.01356	ug/g	0.019	ND
CHLORANTRANILIPROLE	0.01	ug/g	10	ND	CAPTAN *	0.03668	ug/g	0.7	ND
METALAXYL	0.01	ug/g	2	ND	CHLORDANE *	0.02115	ug/g	0.024	ND
PHOSMET	0.01	ug/g	0.1	ND	CHLORFENAPYR *	0.01981	ug/g	0.019	ND
AZOXYSTROBIN	0.01	ug/g	0.1	ND					
FLUDIOXONIL	0.02	ug/g	0.1	ND					
SPIROXAMINE	0.01	ug/g	0.01	ND					
BOSCALID	0.01	ug/g	0.1	ND					
METHIOCARB	0.01	ug/g	0.01	ND					
PACLOBUTRAZOL	0.01	ug/g	0.01	ND					
MALATHION	0.01	ug/g	0.5	ND					
DIMETHOMORPH	0.01	ug/g	2	ND					
MYCLOBUTANIL	0.01	ug/g	0.1	ND					
BIFENAZATE	0.01	ug/g	0.1	ND					
FLONICAMID	0.02	ug/g	0.1	ND					
FENHEXAMID	0.02	ug/g	0.1	ND					
SPIROTETRAMAT	0.01	ug/g	0.1	ND					
FIPRONIL	0.01	ug/g	0.01	ND					
ETHOPROPHOS	0.01	ug/g	0.01	ND					
FENOXICARB	0.01	ug/g	0.01	ND					
KRESOXIM-METHYL	0.01	ug/g	0.1	ND					
TEBUCONAZOLE	0.01	ug/g	0.1	ND					
COUMAPHOS	0.01	ug/g	0.01	ND					
DIAZINON	0.01	ug/g	0.1	ND					
PROPICONAZOLE	0.01	ug/g	0.1	ND					
CLOFENTEZINE	0.01	ug/g	0.1	ND					
TRIFLOXYSTROBIN	0.01	ug/g	0.1	ND					
PRALLETHRIN	0.01	ug/g	0.1	ND					
PIPERONYL BUTOXIDE	0.01	ug/g	3	ND					
CHLORPYRIFOS	0.01	ug/g	0.01	ND					



Pesticides

PASS

Analyzed by 1051 , 1051	Weight 0.501g	Extraction date NA	Extracted By NA
<small>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 - CA001129PES , CA001134VOL Reviewed On- 11/17/21 11:39:24 Instrument Used : LCMS-8060 (PES) (MO-LCMS-01) , GCMS-TQ8050_DER(MO-GCMSTQ-01) Running On : Batch Date : 11/17/21 10:14:53</small>			
Reagent	Dilution	Consums. ID	
111720.04 092321.R01 101321.R07 062821.01 091721.R02 101521.R01 092121.R01	10	PS-7510-1 VAV-09-1020 66022-060 ALK-09-1412 80081-188 19210465 L398261 L422921 L371381 CA009922001-001 470228-424 298076054 286064127 76124-646	
<small>Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution. *</small>			

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Haifei Yin
Lab Director

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Harvest/LOT ID: 29

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Sampled : 11/12/21

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Total Weight/Volume : N/A

Completed : 11/22/21 Expires: 11/22/22

Sample Method : SOP Client Method

Page 4 of 4

	Microbials	PASS
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	Mycotoxins	PASS
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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 -CA001140MIC Batch Date : 11/19/21 11:18:23

Instrument Used : Sensovation SensoSpot Fluorescence

Running On :

Analyzed by	Weight	Extraction date	Extracted By
1051	1.12g	NA	NA

Reagent	Dilution	Consums.	ID	Consums.	ID	Consums.	ID	Consums.	ID
061021.04	9	10025-726	1059-965	209058	RU13471	QU28720			
122120.01		200103274	76322-134	226378	RU14275	RU14274			
120919.01		89012-778	75830-564	19210331	RU12041	RU11952			
010920.29		215918	6980A10	QU26793	842730950	03086			
		13-681-506	107533-17-071520	QU27364	960550291				
		76322-154	207379	QU27000	QU24028				

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.

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 AFLATOXINS (SUM OF B1, B2, G1 & G2)	10	µg/kg	ND	20

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

Analytical Batch -CA001133MYC | Reviewed On - 11/22/21 12:26:58

Instrument Used : LCMS-8060 (MYC) (MO-LCMS-01)

Running On :

Batch Date : 11/17/21 14:41:09

Analyzed by	Weight	Extraction date	Extracted By
1051	0.501g	11/22/21 12:11:55	1051

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

	Heavy Metals	PASS
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Reagent	Reagent	Reagent	Dilution	Consums.	ID	Consums.	ID
010220.01	111721.R06	102121.R01	1	2003055-9D-0266-TA	19210465		
040920.02	111721.R07	062521.01		89049-174	L422921		
100721.R04	111721.R08	120919.01		350518130	O448591		
111721.R03	111721.R10			19303688	O484501		
111721.R04	111721.R09			19210388	O535231		
111721.R05	091720.02			19210576			

Metal	LOD	Unit	Result	Action Level
ARSENIC	0.001	µg/g	0.024	0.2
CADMIUM	0.004	µg/g	0.061	0.2
LEAD	0.009	µg/g	0.04	0.5
MERCURY	0.003	µg/g	<LOQ	0.1

Analyzed by	Weight	Extraction date	Extracted By
1694	0.508g	NA	NA

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

Analytical Batch -CA001128HEA | Reviewed On - 11/17/21 16:55:05

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

Running On :

Batch Date : 11/17/21 09:23:17

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.