



Certificate of Analysis

Sample:KN10615011-003

Harvest/Lot ID: 144

Seed to Sale #N/A

Batch Date :06/10/21

Batch#: 0610LFCBD

Sample Size Received: 16 gram

Total Weight/Volume: N/A

Retail Product Size: 1 gram

Ordered : 06/15/21

sampled : 06/15/21

Completed: 06/22/21 Expires: 06/22/22











Sampling Method: SOP Client Method

TESTED

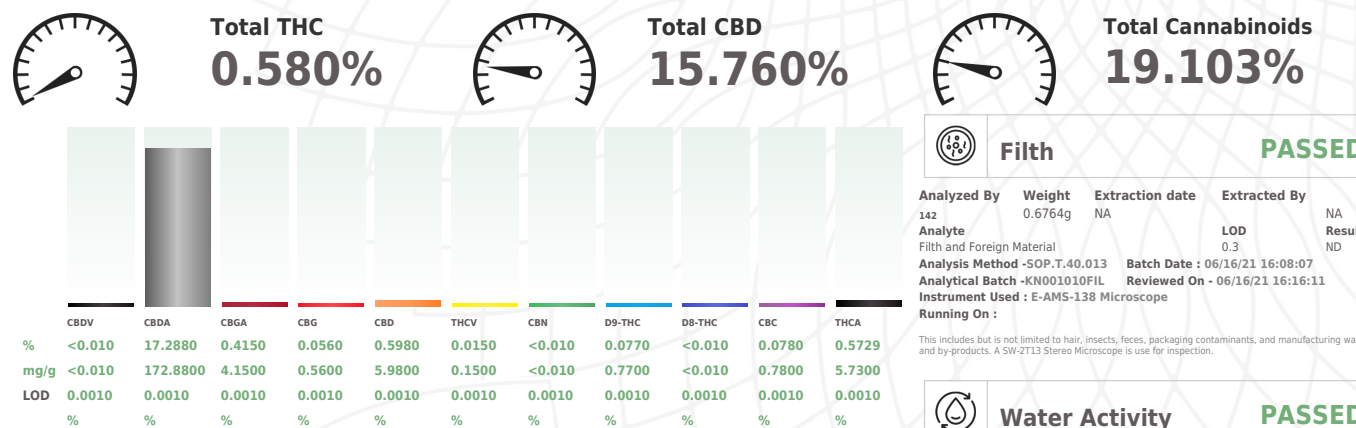
Page 1 of 5

Jun 22, 2021 | HFP

Newport Beach, , 92660, US

PRODUCT IMAGE	SAFETY RESULTS								MISC.
									
	Pesticides PASSED	Heavy Metals PASSED	Microbials PASSED	Mycotoxins PASSED	Residuals Solvents PASSED	Filth PASSED	Water Activity PASSED	Moisture PASSED	Terpenes TESTED

CANNABINOID RESULTS



Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2023g	06/15/21 02:06:40	946
Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCA: 9.5%, TOTAL THC 11.1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.			
Analytical Batch -KN000990POT Instrument Used : HPLC E-SHI-008		Reviewed On - 06/16/21 12:32:53	
Running On :		Batch Date : 06/14/21 12:11:48	
Reagent	Dilution	Consumers. ID	
120320.R02	40	94789291.217	
061421.R01		200331059	
061421.R02			

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.). *Based on FL action limits.

Filth PASSED

Analyzed By 142 Weight 0.6764g Extraction date NA Extracted By NA
Analyte LOD 0.3 Result ND
Filth and Foreign Material
Analysis Method -SOP.T.40.013 Batch Date : 06/16/21 16:08:07
Analytical Batch -KN001010FIL Reviewed On - 06/16/21 16:16:11
Instrument Used : E-AMS-138 Microscope
Running On :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is used for inspection.

Water Activity PASSED

Analyte Analyzed by Weight Ext. date LOD A.L. Result
WATER ACTIVITY 946 12g NA 9w 0.65aw 0.376aw
Analysis Method -SOP.T.40.010 Batch Date : 06/15/21 15:50:38
Analytical Batch -KN001004WAT Reviewed On - 06/16/21 13:37:28
Instrument Used :

Moisture PASSED

Analyte Analyzed by Weight Ext. date LOD A.L. Result
MOISTURE CONTENT 946 0.5g NA % 9.800%
Analysis Method -SOP.T.40.011 Batch Date : 06/15/21 11:57:53
Analytical Batch -KN001000MOI Reviewed On - 06/16/21 13:41:20
Instrument Used :



Certificate of Analysis

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Sample : KN10615011-003
Harvest/LOT ID: 144

Batch# : 0610LFCBD
Sampled : 06/15/21
Ordered : 06/15/21

Sample Size Received : 16 gram
Total Weight/Volume : N/A
Completed : 06/22/21 Expires: 06/22/22
Sample Method : SOP Client Method

Page 2 of 5

Newport Beach, , 92660, US
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Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
PULEGONE	0.007	ND	ND		CIS-NEROLIDOL	0.007	ND	ND	
GAMMA-TERPINENE	0.007	ND	ND		3-CARENE	0.007	ND	ND	
GERANIOL	0.007	< 0.2	< 0.020		FENCHYL ALCOHOL	0.007	0.372	0.037	
GERANYL ACETATE	0.007	ND	ND		HEXAHYDROTHYMOL	0.007	ND	ND	
GUAJOL	0.007	0.565	0.056		EUCALYPTOL	0.007	ND	ND	
LIMONENE	0.007	0.536	0.053		ISOBORNEOL	0.007	ND	ND	
LINALOOL	0.007	0.410	0.041		FARNESENE	0.007	1.867	0.186	
NEROL	0.007	ND	ND						
OCIMENE	0.007	0.484	0.048						
ALPHA-PHELLANDRENE	0.007	ND	ND						
FENCHONE	0.007	ND	ND						
SABINENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	ND	ND						
TERPINEOL	0.007	0.244	0.024						
TERPINOLENE	0.007	ND	ND						
TRANS-CARYOPHYLLENE	0.007	3.185	0.318						
TRANS-NEROLIDOL	0.007	0.209	0.020						
VALENCENE	0.007	< 0.2	< 0.020						
CEDROL	0.007	ND	ND						
ALPHA-HUMULENE	0.007	1.170	0.117						
ALPHA-PINENE	0.007	0.581	0.058						
ALPHA-TERPINENE	0.007	ND	ND						
BETA-MYRCENE	0.007	3.227	0.322						
BETA-PINENE	0.007	0.254	0.025						
BORNEOL	0.013	ND	ND						
CAMPENE	0.007	ND	ND						
CAMPOR	0.013	ND	ND						
CARYOPHYLLENE OXIDE	0.007	0.428	0.042						
ALPHA-CEDRENE	0.007	ND	ND						
ALPHA-BISABOLOL	0.007	1.295	0.129						
ISOPULEGOL	0.007	ND	ND						
Total (%)		1.483							



Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
138	1.07847g	06/17/21 11:06:12	138
Analysis Method -SOP.T.40.090			
Analytical Batch -KN001002TER		Reviewed On - 06/21/21 11:44:33	
Instrument Used : E-SHI-109 Terpenes			
Running On : 06/17/21 16:33:12			
Batch Date : 06/15/21 13:33:01			
Reagent	Dilution	Consums. ID	
042721.01	10	200618634	
090420.01		294044150	
		7303642	
		947B9291.217	
		GL0320	
		n/a	
Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.090 Terpenoid Analysis Via GC-MS. Analytes ISO Pending			



Certificate of Analysis

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Sample : KN10615011-003

Harvest/LOT ID: 144

Batch# : 0610LFCBD

Sampled : 06/15/21

Ordered : 06/15/21

Sample Size Received : 16 gram

Total Weight/Volume : N/A

Completed : 06/22/21 Expires: 06/22/22

Sample Method : SOP Client Method

Page 3 of 5

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
ACEPHATE	0.01	ppm	3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRINS	0.01	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	3	ND
BOSCALID	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CARBARYL	0.01	ppm	0.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	ND	THIAMETHOXAM	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTHINE	0.01	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	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					



Pesticides

PASSED

Analyzed by
143

Weight
1.0018g

Extraction date
06/15/21 03:06:03

Extracted By
143

Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
Analytical Batch - KN001001PES

Reviewed On- 06/16/21
16:16:11

Instrument Used : E-SHI-125 Pesticides
Running On : 06/15/21 15:42:52

Batch Date : 06/15/21 12:10:36

Reagent

Dilution

Consums. ID

112420.03
060221.802
061421.814
061521.828
061621.829

10

200618634
94789291.217

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. *



Certificate of Analysis

TESTED

Sample : KN10615011-003

Harvest/LOT ID: 144

Batch# : 0610LFCBD

Sampled : 06/15/21

Ordered : 06/15/21

Sample Size Received : 16 gram

Total Weight/Volume : N/A

Completed : 06/22/21 Expires: 06/22/22

Sample Method : SOP Client Method

Page 4 of 5

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	Residual Solvents	PASSED
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	Residual Solvents	PASSED
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	128.460
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

Analyzed by 138 Weight 0.02436g Extraction date 06/15/21 02:06:55 Extracted By 138
Analysis Method -SOP.T.40.032
Analytical Batch -KN000997SOL Reviewed On - 06/16/21 10:34:47
Instrument Used : E-SHI-106 Residual Solvents
Running On : 06/15/21 16:15:39
Batch Date : 06/15/21 10:44:14

Reagent Dilution Consums. ID

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.



Certificate of Analysis

TESTED

Sample : KN10615011-003
Harvest/LOT ID: 144

Batch# : 0610LFCBD
Sampled : 06/15/21
Ordered : 06/15/21

Sample Size Received : 16 gram
Total Weight/Volume : N/A
Completed : 06/22/21 Expires: 06/22/22
Sample Method : SOP Client Method

Page 5 of 5



Microbials

PASSED

Analyte
ESCHERICHIA_COLI_SHIGELLA_SPP
SALMONELLA_SPECIFIC_GENE
ASPERGILLUS_FLAVUS
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_NIGER
ASPERGILLUS_TERREUS

LOD

Result

not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.

Analysis Method -SOP.T.40.043

Analytical Batch -KN001020MIC Batch Date : 06/21/21

Instrument Used : Micro E-HEW-069

Running On :

Analyzed by	Weight	Extraction date	Extracted By
142	0.9883g	NA	NA

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.



Mycotoxins

PASSED

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02
TOTAL MYCOTOXINS		ppm	0.000	

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

Analytical Batch -KN001003MYC | Reviewed On - 06/16/21 16:16:37

Instrument Used : E-SHI-125 Mycotoxins

Running On : 06/15/21 15:43:00

Batch Date : 06/15/21 14:19:15

Analyzed by	Weight	Extraction date	Extracted By
143	1.0018g	06/15/21 03:06:29	143

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. *Based on FL action limits.



Heavy Metals

PASSED

Reagent	Dilution	Consums. ID
052021.R19	50	7226/0030021
040521.R03		210117060
040521.R04		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC-AS	0.02	ppm	0.047	1.5
CADMIUM-CD	0.02	ppm	0.055	0.5
MERCURY-HG	0.02	ppm	ND	3
LEAD-PB	0.02	ppm	0.103	0.5

Analyzed by	Weight	Extraction date	Extracted By
12	0.2591g	06/17/21 09:06:38	12

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

Analytical Batch -KN000987HEA | Reviewed On - 06/17/21 17:42:24

Instrument Used : Metals ICP/MS

Running On :

Batch Date : 06/14/21 07:28:36

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.