



Sample: CA10929001-001
 Harvest/Lot ID: 9235
 Seed to Sale# N/A
 Batch Date: 10/02/19
 Batch#: 01
 Sample Size Received: 85.05 gram
 Total Weight/Volume: N/A
 Retail Product Size: 88.7 ml
 Ordered : 09/27/21
 sampled : 09/27/21
 Completed: 10/11/21 Expires: 10/11/22
 Sampling Method: SOP Client Method



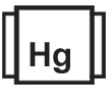







Certificate of Analysis

Oct 11, 2021 | Vivera

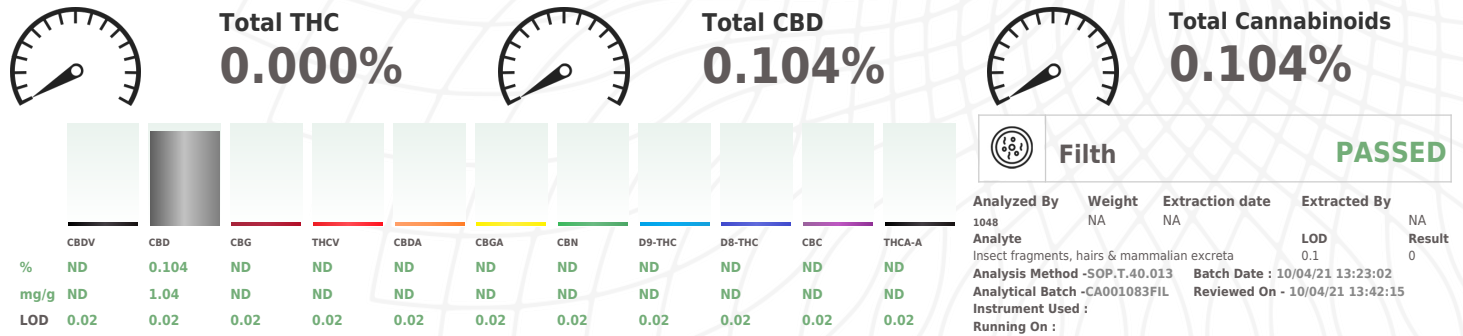
4343 Von Karman
 Newport Beach, CA, 92660, US

PASSED

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PRODUCT IMAGE	SAFETY RESULTS								MISC.
	 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 FiltH PASSED	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Terpenes NOT TESTED

CANNABINOID RESULTS



Cannabinoid Profile Test

Analyzed by 1068	Weight 2.941g	Extraction date : 10/06/21 11:10:23	Extracted By : 1068
Analysis Method -SOP.T.40.020, SOP.T.30.050	Instrument Used : HPLC-3Dplus(MO-HPLC-01)	Reviewed On - 10/05/21 14:27:49	Batch Date : 10/05/21 10:56:36
Analytical Batch -CA001087POT	Running On :		

Reagent	Dilution	Consums. ID
030321.02	800	PS-7510-1
060121.23		VAV-09-1020
092721.R02		ALK-09-1412
100521.R01		B074HGD7LV
092721.R03		80081-188
		20050390
		842751369
		K47183I
		L32701I
		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

10/11/21
 Signed On



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Telephone: 9498427298
Email: k.ghaffari@viverapharma.com

Sample : CA10929001-001

Harvest/LOT ID: 9235

Batch# : 01

Sampled : 09/27/21

Ordered : 09/27/21

Sample Size Received : 85.05 gram

Total Weight/Volume : N/A

Completed : 10/11/21 Expires: 10/11/22

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DAMINOZIDE	0.01	ug/g	0.01	ND	HEXYTHIAZOX	0.01	ug/g	0.1	ND
ACEPHATE	0.1	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
FLONICAMID	0.0150	ug/g	0.1	ND	CYFLUTHRIN	0.1724	ug/g	2	ND
THIAMETHOXAM	0.01	ug/g	5	ND	CYPERMETHRIN	0.02	ug/g	1	ND
METHOMYL	0.01	ug/g	1	ND	FENPYROXIMATE	0.01	ug/g	0.1	ND
IMIDACLOPRID	0.01	ug/g	5	ND	PYRIDABEN	0.01	ug/g	0.1	ND
ACETAMIPRID	0.01	ug/g	0.1	ND	ABAMECTIN B1A	0.00748	ug/g	0.1	ND
MEVINPHOS	0.02	ug/g	0.02	ND	ETOFENPROX	0.01	ug/g	0.01	ND
DIMETHOATE	0.01	ug/g	0.01	ND	BIFENTHRIN	0.01	ug/g	3	ND
THIACLOPRID	0.01	ug/g	0.01	ND	ACEQUINOCYL	0.01	ug/g	0.1	ND
IMAZALIL	0.01	ug/g	0.01	ND	SPINOSADS	0.0010	ug/g	0.1	ND
ALDICARB	0.01	ug/g	0.01	ND	PYRETHRINS	0.00190	ug/g	0.5	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	0.0016	ug/g	0.5	ND
CARBOFURAN	0.01	ug/g	0.01	ND	PCNB *	0.01873	ug/g	0.1	ND
CARBARYL	0.01	ug/g	0.5	ND	PARATHION-METHYL *	0.01356	ug/g	0.019	ND
NALED	0.02	ug/g	0.1	ND	CAPTAN *	0.03668	ug/g	0.7	ND
CHLORANTRANILIPROLE	0.01	ug/g	10	ND	CHLORDANE *	0.02115	ug/g	0.024	ND
METALAXYL	0.01	ug/g	2	ND	CHLORFENAPYR *	0.01981	ug/g	0.019	ND
PHOSMET	0.01	ug/g	0.1	ND					
AZOXYSTROBIN	0.01	ug/g	0.1	ND					
FLUDIOXONIL	0.04	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					
FENHEXAMID	0.01	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					
FENOXYCARB	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 PASSED

Analyzed by 1054, 1054 **Weight 0.522g** **Extraction date 10/08/21 03:10:52** **Extracted By 1054**
 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.T40.070 Procedure for Pesticide Quantification Using GCMS).
 Analytical Batch - CA001095PES, CA001096VOL **Reviewed On- 10/04/21 13:42:15**
 Instrument Used : LCMS-8060 (PES) (MO-LCMS-01), GCMS-TQ8050_DER(MO-GCMS-TQ-01) **Batch Date : 10/08/21 13:10:56**
 Running On :

Reagent	Dilution	Consums. ID
041630.05	5	PS-7510-1
012221.01		1189123H
091621.01		VAV-09-1020
083121.808		ALK-09-1412
060821.83		842720926
031020.10		L39826I
091721.802		L42292I
		L37138I
		CA00922001-001

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


Signature

10/11/21
Signed On



Certificate of Analysis

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 4343 Von Karman
 Newport Beach, CA, 92660, US
Telephone: 9498427298
Email: k.ghaffari@viverapharma.com

Sample : CA10929001-001

Harvest/LOT ID: 9235

Batch# : 01

Sampled : 09/27/21

Ordered : 09/27/21

Sample Size Received : 85.05 gram

Total Weight/Volume : N/A


Completed : 10/11/21 **Expires:** 10/11/22

Sample Method : SOP Client Method

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Residual Solvents
PASSED



Residual Solvents
PASSED

Solvent	LOD	Units	Action Level	Pass/Fail	Result
1,2- DICHLOROETHANE	0.3	ug/g	1	PASS	ND
ACETONE	200	ug/g	5000	PASS	ND
ACETONITRILE	200	ug/g	410	PASS	ND
BENZENE	0.3	ug/g	1	PASS	ND
BUTANE	200	ug/g	5000	PASS	ND
CHLOROFORM	0.3	ug/g	1	PASS	ND
ETHANOL	200	ug/g	5000	PASS	ND
ETHYL ACETATE	200	ug/g	5000	PASS	ND
ETHYL ETHER	200	ug/g	5000	PASS	ND
ETHYLENE OXIDE	0.3	ug/g	1	PASS	ND
HEPTANE	200	ug/g	5000	PASS	ND
ISOPROPANOL	200	ug/g	5000	PASS	ND
METHANOL	200	ug/g	3000	PASS	ND
METHYLENE CHLORIDE	0.3	ug/g	1	PASS	ND
N-HEXANE	200	ug/g	290	PASS	ND
PENTANE	200	ug/g	500	PASS	ND
PROPANE	200	ug/g	500	PASS	ND
TOLUENE	200	ug/g	890	PASS	ND
TRICHLOROETHYLENE	0.3	ug/g	1	PASS	ND
XYLENES*	200	ug/g	2170	PASS	ND

Analyzed by NA	Weight NA	Extraction date NA	Extracted By NA
Analysis Method -SOP.T.40.032		Reviewed On - 10/07/21 12:30:56	
Analytical Batch -		Instrument Used :	
Running On :		Batch Date :	

Reagent	Dilution	Consums. ID
	1	

Residual solvents screening is performed using GC-MS which can analyze 20 Residual solvents. (Method: SOP.T.40.034 Residual Solvents Analysis by GC-MS). 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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 ISO Accreditation #
 L18-47-1


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10/11/21
 Signed On



Certificate of Analysis

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NewPort Beach, CA, 92660, US
Telephone: 9498427298
Email: k.ghaffari@viverapharma.com

Sample : CA10929001-001
Harvest/LOT ID: 9235
Batch# : 01
Sampled : 09/27/21
Ordered : 09/27/21

Sample Size Received : 85.05 gram
Total Weight/Volume : N/A
Completed : 10/11/21 Expires: 10/11/22
Sample Method : SOP Client Method

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Microbials
PASSED



Mycotoxins
PASSED

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

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

Analysis Method -SOP.T.40.043
Analytical Batch -CA001091MIC Batch Date : 10/07/21 08:31:57
Instrument Used : Sensovation SensoSpot Fluorescence
Running On :

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -CA001097MYC | Reviewed On - 10/11/21 13:56:18
Instrument Used :
Running On :
Batch Date : 10/08/21 13:12:10

Analyzed by	Weight	Extraction date	Extracted By
1700	1.01g	NA	NA

Analyzed by	Weight	Extraction date	Extracted By
1054	NA	NA	NA

Reagent	Dilution	Consums. ID	Consums. ID	Consums. ID	Consums. ID
122120.01	9	13-681-506	226378	RU14275	RU14274
010920.29		76322-154	19210576	RU12041	03086
		75830-564	QU26793	842730950	
		6980A10	QU27364	960550291	
		207379	QU27000	QU24028	
		209058	RU13471	QU28720	

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

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified by 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.



Heavy Metals
PASSED

Reagent	Reagent	Dilution	Consums. ID	Consums. ID
092821.R01	110920.R09	1	2003055-9D-0266-TA	K471831
092721.R05	120919.01		89049-174	
010220.01			350518130	
040920.02			19303688	
091521.R01			19210388	
091720.02			19210576	

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

Analyzed by	Weight	Extraction date	Extracted By
1694	0.510g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -CA001085HEA | Reviewed On - 10/06/21 09:14:16
Instrument Used : ICPMS-2030(MO-ICPMS-01)
Running On :
Batch Date : 10/04/21 13:35:25

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.

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