



Certificate of Analysis

Sample: GA10105006-001

Harvest/Lot ID: PR002

Seed to Sale #N/A

Batch Date : 12/30/20

Batch#: PR002

Sample Size Received: 10 ml

Retail Product Size: 1

Ordered : 12/30/20

Sampled : 12/30/20

Completed: 01/11/21 Expires: 01/11/22

Sampling Method: SOP Client Method

PASSED

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Jan 11, 2021 | D8-Hi

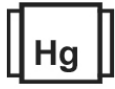
2232 Dell Range Blvd.
Cheyenne, WY, 82009, US



PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%



Total CBD
0.000%



Total Cannabinoids
93.886%

CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
ND	ND	ND	ND	ND	ND	ND	ND	93.886%	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	938.860 mg/g	ND	ND
LOD 0.001%	LOD 0.001%	LOD 0.001%	LOD 0.001%	LOD 0.0001%	LOD 0.001%	LOD 0.001%	LOD 0.0001%	LOD 0.001%	LOD 0.001%	LOD 0.001%

Filtration PASSED

Analyzed By 2103	Weight 33.4g	Extraction date 01/05/21	Extracted By 2103
Analyte Filtration and Foreign Material	LOD 0.1	Result ND	
Analysis Method -SOP.T.40.013	Batch Date : 01/05/21 15:57:58		
Analytical Batch -GA020766FIL	Reviewed On - 01/06/21 08:04:24		
Instrument Used : GA-Filtration/Foreign Material Microscope			

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.

Cannabinoid Profile Test

Analyzed by 1541	Weight 0.1115g	Extraction date : 01/06/21 10:01:27	Extracted By : 1791
Analysis Method -SOP.T.40.020, SOP.T.30.050	Reviewed On - 01/07/21 11:13:17	Batch Date : 01/06/21 09:56:12	
Analytical Batch -GA020801POT	Instrument Used : GA-HPLC-001 2030C Plus (Carl)		

Reagent	Dilution	Consums. ID
010521.06	40	282066106
123120.R06		VAV-09-1020 Lot# 947.077
123120.R08		6970145500298
110519.13		190624060
		16466-042

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 1 mg/L).

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Jeremy Campbell
Lab Director



01/11/2021

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ISO Accreditation # ISO/IEC
17025:2017 Accreditation
PJLA-Testing 97164

Signature

Signed On



Certificate of Analysis

PASSED

D8-Hi

2232 Dell Range Blvd.
Cheyenne, WY, 82009, US

Telephone: (716) 472-4287

Email: perryethill1989@icloud.com

Sample : GA10105006-001

Harvest/LOT ID: PR002

Batch# : PR002

Sampled : 12/30/20


Ordered : 12/30/20

Sample Size Received : 10 ml

Completed : 01/11/21 Expires: 01/11/22

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PYRETHRINS	0.05	ppm	1	ND
ACEPHATE	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND	SPIROMESIFEN	0.01	ppm	3	ND
ACETAMIPRID	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	SPIROXAMINE	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
BIFENAZATE	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	THIAMETHOXAM	0.05	ppm	1	ND
BOSCALID	0.01	PPM	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	PPM	20	ND
CARBARYL	0.05	ppm	0.5	ND	TOTAL DIAZINON	0.01	PPM	0.2	ND
CARBOFURAN	0.01	ppm	0.1	ND	TOTAL DIMETHOMORPH	0.02	PPM	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TOTAL SPINETORAM	0.02	PPM	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
DAMINOZIDE	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
DICHLORVOS	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETOXAZOLE	0.01	ppm	1.5	ND	CYPERMETHRIN *	0.01	PPM	1	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	0.04	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.02	ppm	2	ND					
METALAXYL	0.01	ppm	3	ND					
METHIACARB	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	0.025	ppm	0.5	ND					
OXAMYL	0.05	ppm	0.5	ND					
PACLOBUTRAZOL	0.01	ppm	0.1	ND					
PHOSMET	0.01	ppm	0.2	ND					
PIPERONYL BUTOXIDE	0.3	ppm	3	ND					
PRALLETHRIN	0.01	ppm	0.4	ND					
PROPICONAZOLE	0.01	ppm	1	ND					
PROPOXUR	0.01	ppm	0.1	ND					



Pesticides

PASSED

Analyzed by 1850 , 650 **Weight** 1.0421g **Extraction date** 01/07/21 02:01:12 **Extracted By** 1850 , 650

Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T.40.070

Analytical Batch - GA020867PES , GA020913VOL **Reviewed On**- 01/06/21 08:04:24

Instrument Used : GA-LCMS-001 Pes , GA-GCMS-003 Triple Quad Pest

Running On : 01/08/21 16:24:37 , 01/08/21 16:57:20

Batch Date : 01/07/21 12:35:12

Reagent	Dilution	Consums. ID
123120.R002	10	282066106
123120.R011		VAV-09-1020 Lot# 947.077
010521.R025		6970145500298
		VAV-09-1020 (947.077) / ALK-09-1412 (9291.179)
		P734631 / P7411895

Pesticide screen is performed using LC-MS and/or GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and GCMSMS, SOP.T40.065/SOP.T.40.066/SOP.T.40.070 Procedure for Pesticide Quantification Using LCMS and GCMS). * Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.

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Jeremy Campbell
Lab Director



01/11/2021

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ISO Accreditation # ISO/IEC
17025:2017 Accreditation
PJLA-Testing 97164

Signature

Signed On



Certificate of Analysis

PASSED

D8-Hi

2232 Dell Range Blvd.
Cheyenne, WY, 82009, US

Telephone: (716) 472-4287

Email: perryethill1989@icloud.com

Sample : GA10105006-001

Harvest/LOT ID: PR002

Batch# : PR002

Sampled : 12/30/20

Ordered : 12/30/20

Sample Size Received : 10 ml

Completed : 01/11/21 Expires: 01/11/22


Sample Method : SOP Client Method

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Residual Solvents

PASSED



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by 2155 Weight 0.0250g Extraction date NA Extracted By NA

Analysis Method -SOP.T.40.032
 Analytical Batch -GA020976SOL Reviewed On - 01/11/21 12:53:34
 Instrument Used : GA-GCMS-001 Headspace Solvent
 Running On :
 Batch Date : 01/11/21 09:44:01

Reagent	Dilution	Consums. ID
		24154107 ach-20-1720

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).

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Jeremy Campbell
Lab Director



01/11/2021

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Certificate of Analysis

PASSED

D8-Hi
2232 Dell Range Blvd.
Cheyenne, WY, 82009, US
Telephone: (716) 472-4287
Email: perryethill1989@icloud.com

Sample : GA10105006-001
Harvest/LOT ID: PR002
Batch# : PR002
Sampled : 12/30/20
Ordered : 12/30/20

Sample Size Received : 10 ml
Completed : 01/11/21 Expires: 01/11/22
Sample Method : SOP Client Method

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Microbials
PASSED



Mycotoxins
PASSED

Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level (PPM)
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN G2	0.002	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	AFLATOXIN G1	0.002	ppm	ND	0.02
ASPERGILLUS_NIGER		not present in 1 gram.	AFLATOXIN B2	0.002	ppm	ND	0.02
ASPERGILLUS_TERREUS		not present in 1 gram.	AFLATOXIN B1	0.002	ppm	ND	0.02
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	TOTAL OCHRATOXIN A	0.002	PPM	ND	0.02
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.					

Analysis Method -SOP.T.40.043 / SOP.T.40.044
Analytical Batch -GA020771MIC Batch Date : 01/05/21
Instrument Used : GA-093 PathogenDx Scanner (MIC)
Running On :

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -GA020868MYC | Reviewed On - 01/11/21 13:11:49
Instrument Used : GA-LCMS-001 MYC
Running On : 01/08/21 16:24:45
Batch Date : 01/07/21 12:38:04

Analyzed by	Weight	Extraction date	Extracted By
1828	0.82g	01/06/21	1828

Analyzed by	Weight	Extraction date	Extracted By
1850	1.0421g	01/07/21 02:01:10	1850

Reagent	Dilution	Consums. ID
110320.26	10	001001 001001 002005

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20µg/Kg.

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.



Heavy Metals
PASSED

Reagent	Reagent	Dilution	Consums. ID
122420.R28	111320.R17	50	190624060
122820.R01			106667-05-100719
010621.R12			
122920.R16			
110519.13			
081420.12			

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
MERCURY	0.02	PPM	ND	3
LEAD	0.05	PPM	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
650	0.4946g	01/06/21 05:01:38	2103

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -GA020821HEA | Reviewed On - 01/07/21 16:31:42
Instrument Used : GA-ICPMS-001-DER (Ice Princess)
Running On :
Batch Date : 01/06/21 13:44:23

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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