



Certificate of Analysis

Sample: CA01001002-001
Harvest/Lot ID: N/A
Seed to Sale #n/a
Batch Date : 10/01/20
Batch#: FD200901H500NAIF
Sample Size Received: 30 gram
Retail Product Size: 30 ml
Ordered : 10/01/20
Sampled : 10/01/20
Completed: 10/12/20 Expires: 10/12/21
Sampling Method: SOP Client Method

Oct 12, 2020 | Azure Botanics

PO BOX 643146,
Vero Beach, FL, 32960



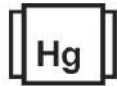
PASSED

Page 1 of 5

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
TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.121%
THC/Container :36.300 mg



Total CBD
3.231%
CBD/Container :969.300 mg



Total Cannabinoids
3.845%
Total Cannabinoids/Container :1153.800 mg

CBDV	CBD	CBG	THCV	CBDA	CBGA	CBN	D9-THC	D8-THC	CBC	THCA-A
0.090%	3.231%	0.286%	ND	ND	ND	ND	0.121%	ND	0.118%	ND
0.900 mg/g	32.310 mg/g	2.860 mg/g	ND	ND	ND	ND	1.210 mg/g	ND	1.180 mg/g	ND
LOD 0.0001 %	0.0001 %	0.0001 %	0.0001 %	0.0001 %	0.0001 %	0.0001 %	0.0001 %	0.0001 %	0.0001 %	0.0001 %

Filtration PASSED

Analyzed By 1048 Weight 1g Extraction date NA LOD(ppm) NA Extracted By NA

Analysis Method -SOP.T.40.013
Analytical Batch -CA000348FIL
Instrument Used :
Running On :

Batch Date : 10/01/20 11:32:48

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.

Cannabinoid Profile Test

Analyzed by 1068 Weight 1g Extraction date : NA Extracted By : NA
Analysis Method -SOP.T.40.020, SOP.T.30.050 Instrument Used : HPLC-3Dplus(MO-HPLC-01) Running On :
Analytical Batch -CA000373POT Batch Date : 10/02/20 15:23:30

Reagent Dilution Consums. ID

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 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

10/12/2020

Signed On



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Azure Botanics

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Vero Beach, FL, 32960
Telephone: 772-388-2040
Email: zcc@irene.net

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Terpenes

TESTED

Terpenes	LOD ppm	PPM	%	Result (%)
ALPHA-PINENE	1250	3884.39	0.3884	
ALPHA-TERPINENE	1250	ND	ND	
ALPHA-BISABOLOL	1250	ND	ND	
BETA-CARYOPHYLLENE	1250	1899.34	0.1899	
BETA-MYRCENE	1250	2064.53	0.2064	
BETA-PINENE	1250	2318.10	0.2318	
CAMPHENE	1250	ND	ND	
(-)-CARYOPHYLLENE OXIDE	1250	ND	ND	
CIS-NEROLIDOL	537.5	ND	ND	
D-LIMONENE	1250	2903.97	0.2903	
DELTA-3-CARENE	1250	ND	ND	
EUCALYPTOL	1250	ND	ND	
GAMMA TERPINENE	1250	ND	ND	
GERANIOL	1250	ND	ND	
GUAJOL	1250	ND	ND	
HUMULENE	1250	ND	ND	
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	1023.55	0.1023	



Terpenes

TESTED

Analyzed by 1050 **Weight** 0.523g **Extraction date** NA **Extracted By** NA
Analysis Method -SOP.T.40.091
Analytical Batch -CA000355TER
Instrument Used : GC-2030 FID(MO-GCFID-01)
Running On :
Batch Date : 10/02/20 09:45:50

Reagent	Dilution	Consums. ID
041320.03		C4020-3A
041320.09		502158
061820.01		220-97331-51
061820.02		
081420.R01		

GC_FID

Total 14093.901 1.4094

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Sample Method : SOP Client Method


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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ETOFENPROX	0.00983	ug/g	0.1	ND	PROPICONAZOLE	0.00747	ug/g	20	ND
DAMINOZIDE	0.01314	ug/g	0.1	ND	CLOFENTEZINE	0.0108	ug/g	0.5	ND
ACEPHATE	0.02402	ug/g	5	ND	SPINETORAM	0.00685	ug/g	3	ND
ACEQUINOCYL	0.0288	ug/g	4	ND	TRIFLOXYSTROBIN	0.00643	ug/g	30	ND
BIFENTHRIN	0.00868	ug/g	0.5	ND	PRALLETHRIN	0.1376	ug/g	0.4	ND
OXAMYL	0.01848	ug/g	0.2	ND	PIPERONYL BUTOXIDE	0.00766	ug/g	8	ND
SPINOSADS	0.00686	ug/g	3	ND	CHLORPYRIFOS	0.01599	ug/g	0.1	ND
FLONICAMID	0.03074	ug/g	2	ND	HEXYTHIAZOX	0.00556	ug/g	2	ND
THIAMETHOXAM	0.01555	ug/g	4.5	ND	ETOXAZOLE	0.00614	ug/g	1.5	ND
PYRETHRINS	0.00321	ug/g	1	ND	SPIROMESIFEN	0.00628	ug/g	12	ND
PERMETHRINS	0.01127	ug/g	20	ND	CYPERMETHRIN	0.01767	ug/g	1	ND
METHOMYL	0.024	ug/g	0.1	ND	CYFLUTHRIN	0.1	ug/g	1	ND
IMIDACLOPRID	0.01533	ug/g	3	ND	FENPYROXIMATE	0.00812	ug/g	2	ND
ACETAMIPRID	0.01333	ug/g	5	ND	PYRIDABEN	0.00716	ug/g	3	ND
MEVINPHOS	0.02454	ug/g	0.1	ND	ABAMECTIN B1A	0.01931	ug/g	0.3	ND
DIMETHOATE	0.03074	ug/g	0.1	ND	PCNB *	0.01873	ug/g	0.2	ND
THIACLOPRID	0.01922	ug/g	0.1	ND	PARATHION-METHYL *	0.01356	ug/g	0.1	ND
IMAZALIL	0.00737	ug/g	0.1	ND	CAPTAN *	0.03668	ug/g	5	ND
ALDICARB	0.03032	ug/g	0.1	ND	CHLORDANE *	0.02115	ug/g	0.1	ND
PROPOXUR	0.02322	ug/g	0.1	ND	CHLORFENAPYR *	0.01981	ug/g	0.1	ND
DICHLORVOS	0.02786	ug/g	0.1	ND					
CARBOFURAN	0.02749	ug/g	0.1	ND					
CARBARYL	0.02807	ug/g	0.5	ND					
NALED	0.02084	ug/g	0.5	ND					
CHLORANTRANILIPROLE	0.00782	ug/g	40	ND					
METALAXYL	0.00899	ug/g	15	ND					
PHOSMET	0.02488	ug/g	0.2	ND					
AZOXYSTROBIN	0.01375	ug/g	40	ND					
FLUDIOXONIL	0.01198	ug/g	30	ND					
SPIROXAMINE	0.00695	ug/g	0.1	ND					
BOSCALID	0.01484	ug/g	10	ND					
METHIOCARB	0.01778	ug/g	0.1	ND					
PACLOBUTRAZOL	0.01196	ug/g	0.1	ND					
MALATHION	0.02192	ug/g	5	ND					
DIMETHOMORPH	0.02083	ug/g	20	ND					
MYCLOBUTANIL	0.01115	ug/g	9	ND					
BIFENAZATE	0.0139	ug/g	5	ND					
FENHEXAMID	0.01206	ug/g	10	ND					
SPIROTETRAMAT	0.01014	ug/g	13	ND					
FIPRONIL	0.00839	ug/g	0.1	ND					
ETHOPROPHOS	0.02501	ug/g	0.1	ND					
FENOXYCARB	0.01674	ug/g	0.1	ND					
KRESOXIM-METHYL	0.01591	ug/g	1	ND					
TEBUCONAZOLE	0.0078	ug/g	2	ND					
COUMAPHOS	0.02068	ug/g	0.1	ND					
DIAZINON	0.02294	ug/g	0.2	ND					



Pesticides

PASSED

Analyzed by 1051 , 1051	Weight 0.524g	Extraction date NA	Extracted By NA ,
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Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
Analytical Batch - CA000352PES , CA000393VOL
Instrument Used : MO-LCMS-001_DER , GCMS-TQ8050_DER(MO-GCMSTQ-01)
Running On :
Batch Date : 10/01/20 17:16:31

Reagent	Dilution	Consums. ID
041620.05	1	66022-060
082120.03		VAV-09-1020
093020.001		9299.077
092920.002		SFN-BX-1025 76124-646

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). *

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



 Signature

10/12/2020

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PASSED

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Telephone: 772-388-2040
Email: zcc@irene.net

Sample : CA01001002-001

Harvest/LOT ID: N/A

Batch# :
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Ordered : 10/01/20


Sample Size Received : 30 gram
Completed : 10/12/20 Expires: 10/12/21
Sample Method : SOP Client Method

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Residual Solvents

PASSED



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,2- DICHLOROETHANE	0.1119	ug/g	1	PASS	ND
ACETONE	22.8676	ug/g	5000	PASS	ND
ACETONITRILE	30.1498	ug/g	410	PASS	ND
BENZENE	0.0897	ug/g	1	PASS	ND
BUTANE	45.9810	ug/g	5000	PASS	ND
CHLOROFORM	0.0760	ug/g	1	PASS	ND
ETHANOL	30.1944	ug/g	5000	PASS	ND
ETHYL ACETATE	36.7999	ug/g	5000	PASS	ND
ETHYL ETHER	41.0580	ug/g	5000	PASS	ND
ETHYLENE OXIDE	0.1547	ug/g	1	PASS	ND
HEPTANE	46.7093	ug/g	5000	PASS	ND
ISOPROPANOL	32.8178	ug/g	5000	PASS	ND
METHANOL	27.6548	ug/g	3000	PASS	ND
METHYLENE CHLORIDE	0.0585	ug/g	1	PASS	ND
N-HEXANE	47.3415	ug/g	290	PASS	ND
PENTANE	45.6067	ug/g	500	PASS	ND
PROPANE	49.9883	ug/g	500	PASS	ND
TOLUENE	44.1866	ug/g	890	PASS	ND
TRICHLOROETHYLENE	0.2173	PPM	1	PASS	ND
XYLENES*	48.6566	PPM	2170	PASS	ND

Analyzed by: 1050
Weight: 0.259g
Extraction date: NA
Extracted By: NA

Analysis Method -SOP.T.40.032
Analytical Batch -CA000366SOL
Instrument Used : Shimadzu QP2020 HS-GC-MS (EID: 0307)
Running On : 10/02/20 11:29:53
Batch Date : 10/02/20 11:07:45

Reagent	Dilution	Consums. ID
082720.07		C4020-3A
082720.09		502158
081020.R21		220-97331-51
011420.01		

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

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Haifei Yin
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PASSED

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Microbials

PASSED



Mycotoxins

PASSED

Analyte	LOD	Result
ASPERGILLUS_FLAVUS		not present in 1 gram.
ESCHERICHIA_COLI_SPECIFIC_GENE		not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.
SALMONELLA_SPECIFIC_GENE		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.

Analysis Method -SOP.T.40.043
Analytical Batch -CA000403MIC Batch Date : 10/09/20
Instrument Used : Sensovation SensoSpot Fluorescence
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1069	1.0095g	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.

Analyte	LOD	Units	Result	Action Level (PPB)
AFLATOXIN_G2	1	ug/kg	ND	20
AFLATOXIN_G1	0.5	ug/kg	ND	20
AFLATOXIN_B2	0.5	ug/kg	ND	20
AFLATOXIN_B1	0.5	ug/kg	ND	20
OCHRATOXIN_A	5	ug/kg	ND	20
TOTAL AFLATOXINS (SUM OF B1, B2, G1 &G2)	4	ug/kg	ND	20

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -CA000353MYC
Instrument Used : MO-LCMS-001_DER
Running On : 10/02/20 12:41:41
Batch Date : 10/01/20 17:44:20

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. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20ug/Kg. Ochratoxins must be <20ug/Kg.



Heavy Metals

PASSED

Reagent	Reagent
012420.01	030320.08
010220.01	091520.R03
030220.11	
091520.02	
120219.01	
020320.02	

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.012	ug/g	<0.036	1.5
CADMIUM	0.012	ug/g	<0.037	0.5
LEAD	0.016	ug/g	0.218	0.5
MERCURY	0.018	ug/g	ND	3

Analyzed by	Weight	Extraction date	Extracted By
1050	0.508g	10/01/20 02:10:30	1050

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -CA000350HEA
Instrument Used : ICPMS-2030(MO-ICPMS-01)
Running On :
Batch Date : 10/01/20 12:47:47

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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