



Certificate of Analysis

Sample: DA00616013-001

Harvest/Lot ID: 6-2-20

Seed to Sale #N/A

Batch Date :N/A

Batch#: 6-2-20

Sample Size Received: 30 units

Retail Product Size: 2.466

Ordered : 06/10/20

Sampled : 06/10/20

Completed: 06/26/20 Expires: 06/26/21

Sampling Method: SOP Client Method

PASSED

Page 1 of 5

Jun 26, 2020 | Nowave

350 Buell Road
Rochester, NY, 14624, United States

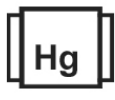
NOWAVE



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
0.002%

THC/Gummy :0.049 mg



Total CBD
0.403%

CBD/Gummy :9.938 mg



Total Cannabinoids
0.864%

Total Cannabinoids/Gummy
:21.306 mg

Filtration PASSED

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	ND	ND	ND	ND	0.459%	ND	0.403%	0.002%	ND
ND	ND	ND	ND	ND	ND	4.590 mg/g	ND	4.030 mg/g	0.020 mg/g	ND
LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.0001 %	LOD 0.0001 %	LOD 0.001 %

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
457	NA	NA		NA

Analysis Method -SOP.T.40.013 Batch Date : 06/23/20 10:20:57
 Analytical Batch -DA013360FIL Reviewed On - 06/23/20 10:25:05
 Instrument Used : 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 use for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	3.1644g	06/16/20 03:06:12	574

Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 06/17/20 18:12:49
 Analytical Batch -DA013208POT Instrument Used : DA-LC-003 Batch Date : 06/16/20 14:58:20

Reagent	Dilution	Consums. ID
042120.18	40	280670723
061520.R23		918C4-918J
061520.R22		914C4-914AK
		929C6-929H
		76262-590

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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Jorge Segredo
Lab Director

State License # CMTL-0002
ISO Accreditation # 97164



Signature

07/06/2020

Signed On



Certificate of Analysis

PASSED

Nowave

350 Buell Road
Rochester, NY, 14624, United States
Telephone: 3154066767
Email: sales@nowave.com

Sample : DA00616013-001
Harvest/LOT ID: 6-2-20

Batch# : 6-2-20
Sampled : 06/10/20
Ordered : 06/10/20

Sample Size Received : 30 units
Completed : 06/26/20 Expires: 06/26/21
Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD	Units	Result (%)
ALPHA-CEDRENE	0.007	%	ND
ALPHA-HUMULENE	0.007	%	ND
ALPHA-PINENE	0.007	%	ND
ALPHA-TERPINENE	0.007	%	ND
BETA-MYRCENE	0.007	%	ND
BETA-PINENE	0.007	%	ND
BORNEOL	0.013	%	ND
CAMPHENE	0.007	%	ND
CAMPHOR	0.013	%	ND
CARYOPHYLLENE OXIDE	0.007	%	ND
CEDROL	0.007	%	ND
ALPHA-BISABOLOL	0.007	%	ND
SABINENE	0.007	%	ND
SABINENE HYDRATE	0.007	%	ND
TERPINEOL	0.007	%	ND
TERPINOLENE	0.007	%	ND
BETA-CARYOPHYLLENE	0.007	%	ND
TRANS-NEROLIDOL	0.007	%	ND
VALENCENE	0.007	%	ND
PULEGONE	0.007	%	ND
ALPHA-PHELLANDRENE	0.007	%	ND
OCIMENE	0.007	%	ND
NEROL	0.007	%	ND
LINALOOL	0.007	%	ND
LIMONENE	0.007	%	0.035
GUAJOL	0.007	%	ND
GERANYL ACETATE	0.007	%	ND
GERANIOL	0.007	%	ND
GAMMA-TERPINENE	0.007	%	ND
FENCHONE	0.007	%	ND
FARNESENE	0.007	%	ND

Total 0.036

Terpenes	LOD	Units	Result (%)
EUCALYPTOL	0.007	%	ND
ISOBORNEOL	0.007	%	ND
HEXAHYDROTHYMOL	0.007	%	ND
FENCHYL ALCOHOL	0.007	%	ND
3-CARENE	0.007	%	ND
CIS-NEROLIDOL	0.007	%	ND
ISOPULEGOL	0.007	%	ND



Terpenes

TESTED

Analyzed by 1351 **Weight** 1.0262g **Extraction date** 06/23/20 12:06:39 **Extracted By** 1351
Analysis Method -SOP.T.40.090
Analytical Batch -DA013337TER **Reviewed On - 06/25/20 15:26:08**
Instrument Used : DA-GCMS-004
Batch Date : 06/22/20 15:11:32

Reagent	Dilution	Consums. ID
042120.21	10	280678841
061920.R20		76262-590
061920.R21		
061920.R22		
040920.08		

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

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Jorge Segredo
Lab Director



Signature

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07/06/2020

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Certificate of Analysis

PASSED

Nowave

350 Buell Road
Rochester, NY, 14624, United States
Telephone: 3154066767
Email: sales@nowave.com

Sample : DA00616013-001

Harvest/LOT ID: 6-2-20

Batch# : 6-2-20

Sampled : 06/10/20

Ordered : 06/10/20

Sample Size Received : 30 units

Completed : 06/26/20 Expires: 06/26/21

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	PRALLETHRIN	0.01	ppm	0.4	ND
ACEPHATE	0.01	ppm	3	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPOXUR	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRIN I	0.01	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRIN II	0.01	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRETHRINS	0.05	ppm	1	ND
BIFENAZATE	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPINETORAM	0.02	PPM	3	ND
BOSCALID	0.01	PPM	3	ND	SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
CARBOFURAN	0.01	ppm	0.1	ND	SPIROMESIFEN	0.01	ppm	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	THIACLOPRID	0.01	ppm	0.1	ND
COUMAPHOS	0.01	ppm	0.1	ND	THIAMETHOXAM	0.05	ppm	1	ND
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
DIAZANON	0.01	ppm	0.2	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DICHLORVOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
DIMETHOATE	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DIMETHOMORPH	0.02	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	0.04	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.02	ppm	2	ND					
METALAXYL	0.01	ppm	3	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					
METHYL PARATHION	0.005	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	0.1	ppm	3	ND					

 **Pesticides** **PASSED**

Analyzed by: 585 Weight: 1.0817g Extraction date: 06/23/20 02:06:16 Extracted By: 1082

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

Analytical Batch - DA013192PES

Instrument Used : DA-LCMS-001_DER (PES)

Batch Date : 06/16/20 09:19:56

Reviewed On- 06/23/20 10:25:05

Reagent	Dilution	Consums. ID
060920.017 041720.03		280678841 76262-590

Pesticide screen is performed using LC-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 SOP.T.40.065 Procedure for Pesticide Quantification Using LCMS). * 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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Jorge Segredo
Lab Director

State License # CMTL-0002
ISO Accreditation # 97164



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07/06/2020

Signed On



Certificate of Analysis

PASSED

Nowave

350 Buell Road
Rochester, NY, 14624, United States
Telephone: 3154066767
Email: sales@nowave.com


Sample : DA00616013-001
Harvest/LOT ID: 6-2-20

Batch# : 6-2-20
Sampled : 06/10/20
Ordered : 06/10/20

Sample Size Received : 30 units
Completed : 06/26/20 Expires: 06/26/21
Sample Method : SOP Client Method

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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
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
PROPANE	500	ppm	2100	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-M&P (1,3&1,4-DIMETHYLBENZENE)	27	ppm	2170	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
850	0.0253g	06/25/20 03:06:12	850
Analysis Method -SOP.T.40.032		Reviewed On - 06/25/20 15:54:47	
Analytical Batch -DA013403SOL			
Instrument Used : DA-GCMS-002			
Batch Date : 06/24/20 14:21:09			

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 161291-1

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.30.032 Residual Solvents Analysis via GC-MS).

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Jorge Segredo
Lab Director

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07/06/2020

Signed On



Certificate of Analysis

PASSED

Nowave

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Telephone: 3154066767
Email: sales@nowave.com

Sample : DA00616013-001
Harvest/LOT ID: 6-2-20

Batch# : 6-2-20
Sampled : 06/10/20
Ordered : 06/10/20

Sample Size Received : 30 units
Completed : 06/26/20 **Expires:** 06/26/21
Sample Method : SOP Client Method

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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

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA013193MYC | Reviewed On - 06/24/20 15:59:56
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 06/16/20 09:20:51

Analyzed by	Weight	Extraction date	Extracted By
585	NA	06/23/20 03:06:53	585

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 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.

Reagent	Reagent	Consums. ID
052720.375	052720.224	918C4-918J
052720.40	042920.217	914C4-914AK
052720.52	052720.254	50AX26219
052720.56		19323
052720.319		25219065
052720.355		190827060
052720.357		850C6-850H
052720.266		
052720.325		
052720.68		
052720.342		
052720.202		
052720.166		
052720.167		
052720.106		

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.



Microbials
PASSED

Analyte	Result
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.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.

Analysis Method -SOP.T.40.043 / SOP.T.40.045
Analytical Batch -DA013345MIC | Reviewed On - 06/26/20 10:46:20
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-171
Batch Date : 06/23/20 08:50:14

Analyzed by	Weight	Extraction date	Extracted By
513	1.0677g	06/23/20 01:06:45	1082



Heavy Metals
PASSED

Reagent	Reagent	Dilution	Consums. ID
062220.R01	062320.R01	100	89401-566
030920.02	062320.R02		
062220.R02	062320.R03		
061220.R02	061520.R05		
062220.R04			
062320.R04			

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

Analyzed by	Weight	Extraction date	Extracted By
457	0.2598g	06/23/20 12:06:48	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA013355HEA | Reviewed On - 06/24/20 16:02:00
Instrument Used : DA-ICPMS-002
Batch Date : 06/23/20 09:43:10

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.

Reagent	Dilution	Consums. ID
052620.16		181019-274
101519.12		SG298A

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