



# Certificate of Analysis

Sample: DA00625009-002

Harvest/Lot ID: 6-12-20

Seed to Sale #N/A

Batch Date :N/A

Batch#: 6-12-20

Sample Size Received: 30 units

Retail Product Size: 2.358

Ordered : 06/19/20

Sampled : 06/19/20

Completed: 07/14/20 Expires: 07/14/21

Sampling Method: SOP Client Method

**PASSED**

Page 1 of 5

Jul 14, 2020 | Nowave

350 Buell Road  
Rochester, NY, 14624, United States

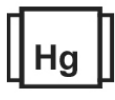
**NOWAVE**



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  
**0.003%**  
THC/Gummy :0.071 mg



Total CBD  
**0.521%**  
CBD/Gummy :12.285 mg



Total Cannabinoids  
**0.524%**  
Total Cannabinoids/Gummy :12.356 mg

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	ND	ND	ND	ND	ND	ND	0.521%	0.003%	ND
ND	ND	ND	ND	ND	ND	ND	ND	5.210 mg/g	0.030 mg/g	ND
LOD 0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.0001 %	0.001 %

**Filtration PASSED**

Analyzed By: 457 Weight: NA Extraction date: NA LOD(ppm): NA Extracted By: NA  
 Analysis Method -SOP.T.40.013 Batch Date : 07/02/20 10:31:15  
 Analytical Batch -DA013631FIL Reviewed On - 07/02/20 16:04:45  
 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: 450 Weight: 3.1654g Extraction date : 06/25/20 04:06:34 Extracted By : 574  
 Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 06/29/20 01:16:42  
 Analytical Batch -DA013442POT Instrument Used : DA-LC-003 Batch Date : 06/25/20 09:52:12

Reagent	Dilution	Consums. ID
061220.16	40	280650306
062420.R03		918C4-918J
062420.R02		914C4-914AK
040920.08		929C6-929H

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

07/14/2020

Signed On



# Certificate of Analysis

**PASSED**

**Nowave**

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

**Sample : DA00625009-002**  
**Harvest/LOT ID: 6-12-20**

**Batch# :** 6-12-20  
**Sampled :** 06/19/20  
**Ordered :** 06/19/20

**Sample Size Received :** 30 units  
**Completed :** 07/14/20 **Expires:** 07/14/21  
**Sample Method :** SOP Client Method

**Page 2 of 5**



## Terpenes

# TESTED

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-CEDRENE	0.007	%	ND	EUCALYPTOL	0.007	%	ND
ALPHA-HUMULENE	0.007	%	ND	ISOBORNEOL	0.007	%	ND
ALPHA-PINENE	0.007	%	ND	HEXAHYDROTHYMOL	0.007	%	ND
ALPHA-TERPINENE	0.007	%	ND	FENCHYL ALCOHOL	0.007	%	ND
BETA-MYRCENE	0.007	%	ND	3-CARENE	0.007	%	ND
BETA-PINENE	0.007	%	ND	CIS-NEROLIDOL	0.007	%	ND
BORNEOL	0.013	%	ND	ISOPULEGOL	0.007	%	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	%	ND				
GUAIOL	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				



## Terpenes

# TESTED

**Analyzed by** 1351     **Weight** 0.9641g     **Extraction date** 07/02/20 10:07:19     **Extracted By** 1351

**Analysis Method -SOP.T.40.090**  
**Analytical Batch -DA013629TER**     **Reviewed On - 07/03/20 12:09:04**  
**Instrument Used : DA-GCMS-005**  
**Batch Date : 07/02/20 10:30:32**

**Reagent Dilution Consums. ID**

**062620.R19 10**     76262-590-VWR 5mL NS Luer Lock Syringe (200/per pack)  
**062620.R20**     280678841-Choice 25mm, 0.22um, PTFE, Hydrophobic Filter Tips  
**062620.R18**  
**042920.05**  
**012120.R13**

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.

**Total**     0

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**Jorge Segredo**  
Lab Director  
State License # CMTL-0002  
ISO Accreditation # 97164



Signature

07/14/2020  
SIGNED



# Certificate of Analysis

**PASSED**

Nowave


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

Sample : DA00625009-002  
Harvest/LOT ID: 6-12-20

Batch# : 6-12-20  
Sampled : 06/19/20  
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Sample Size Received : 30 units  
Completed : 07/14/20 Expires: 07/14/21  
Sample Method : SOP Client Method

Page 3 of 5



## 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	CHLORDANE *	0.01	PPM	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
ETOFENPROX	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND	CAPTAN *	0.025	PPM	3	ND
FENHEXAMID	0.01	ppm	3	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
FENPYROXIMATE	0.01	ppm	2	ND	CYPERMETHRIN *	0.01	PPM	1	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**

<b>Analyzed by</b> 585 , 1665	<b>Weight</b> 0.8496g	<b>Extraction date</b> 07/02/20 01:07:51	<b>Extracted By</b> 585 , 1665
<small>Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070</small>			
<small>Analytical Batch - DA013474PES , DA013777VOL</small>		<small>Reviewed On- 07/02/20 16:04:45</small>	
<small>Instrument Used : DA-LCMS-001_DER (PES) , DA-GCMS-001</small>			
<small>Batch Date : 06/26/20 09:48:28</small>			
<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>	
<small>050510.01 062320.801 062320.820 061520.819 043720.02</small>	10	<small>280678841 76262-590</small>	

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.T40.065 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



Signature

07/14/2020

Signed On





# Certificate of Analysis

**PASSED**

**Nowave**

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

**Sample : DA00625009-002**  
**Harvest/LOT ID: 6-12-20**

**Batch# : 6-12-20**  
**Sampled : 06/19/20**  
**Ordered : 06/19/20**


**Sample Size Received : 30 units**  
**Completed : 07/14/20 Expires: 07/14/21**  
**Sample Method : SOP Client Method**

**Page 4 of 5**



## Residual Solvents

PASSED



## Residual Solvents

PASSED

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** 850      **Weight** 0.0279g      **Extraction date** 07/03/20 04:07:49      **Extracted By** 850

**Analysis Method -SOP.T.40.032**  
**Analytical Batch -DA013639SOL**  
**Instrument Used : DA-GCMS-002**  
**Batch Date : 07/02/20 13:14:39**

**Reviewed On - 07/06/20 13:32:20**

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 24154107

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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**Jorge Segredo**  
Lab Director



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# Certificate of Analysis

**PASSED**

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Email: sales@nowave.com

Sample : DA00625009-002  
Harvest/LOT ID: 6-12-20

Batch# : 6-12-20  
Sampled : 06/19/20  
Ordered : 06/19/20

Sample Size Received : 30 units  
Completed : 07/14/20 Expires: 07/14/21  
Sample Method : SOP Client Method

Page 5 of 5



**Microbials**
**PASSED**



**Mycotoxins**
**PASSED**

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

Analysis Method -SOP.T.40.043 / SOP.T.40.045  
Analytical Batch -DA013610MIC Batch Date : 07/02/20  
Instrument Used : PathogenDX PCR\_Array Scanner DA-111,PathogenDX PCR\_DA-171

Analysis Method -SOP.T.30.065, SOP.T.40.065  
Analytical Batch -DA013475MYC | Reviewed On - 07/06/20 19:04:57  
Instrument Used : DA-LCMS-001\_DER (MYC)  
Batch Date : 06/26/20 09:50:04

Analyzed by	Weight	Extraction date	Extracted By
513	1.0022g	07/02/20	357

Analyzed by	Weight	Extraction date	Extracted By
585	NA	07/06/20 07:07:02	585

**Reagent Reagent Consums. ID Consums. ID Consums. ID Consums. ID**

052620.18	042920.139	181019-274	19323	2803029	2808005
101519.11	052720.138	SG298A	25219065	D003	
070120.R03	052720.232	181207119C	104867-12	A07	
042920.178		918C4-918J	190827060	2807007	
042920.146		914C4-914AK	850C6-850H	2809004	
052720.110		50AX30819	2802018	2804025	

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.

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 <20ug/Kg.



**Heavy Metals**
**PASSED**

**Reagent Reagent Dilution Consums. ID**

070220.R14	070120.R15	100	89401-566-VWR 15 mL Centrifuge Tubes w/ Flat Caps 500 per package
070120.R01	070120.R02		
030920.02	062320.R03		
062920.R03	062520.R02		
062920.R04			
070220.R13			

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

Analyzed by	Weight	Extraction date	Extracted By
53	0.2642g	07/02/20 12:07:19	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052  
Analytical Batch -DA013633HEA | Reviewed On - 07/03/20 16:19:20  
Instrument Used : DA-ICPMS-002  
Batch Date : 07/02/20 10:34:25

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.

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