



Certificate of Analysis

Sample: DA00812008-001

Harvest/Lot ID: N/A

Seed to Sale #N/A

Batch Date :N/A

Batch#: 8-5-20

Sample Size Received: 12.6 gram

Retail Product Size: 12.6

Ordered : 08/06/20

Sampled : 08/06/20

Completed: 08/17/20 Expires: 08/17/21

Sampling Method: SOP Client Method

PASSED

Page 1 of 5

Aug 17, 2020 | Nowave

350 Buell Road
Rochester, NY, 14624, United States

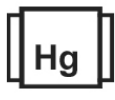
NOWAVE



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
2.822%



Total CBD
83.880%



Total Cannabinoids
92.161%



Filtration

PASSED

CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
3.705%	83.880%	ND	0.484%	1.209%	0.062%	ND	ND	2.822%	ND	ND
37.050 mg/g	838.800 mg/g	ND	4.840 mg/g	12.090 mg/g	0.620 mg/g	ND	ND	28.220 mg/g	ND	ND
LOD 0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
457	1g	NA		NA

Analysis Method -SOP.T.40.013 Batch Date : 08/13/20 09:04:26
Analytical Batch -DA014764FIL Reviewed On - 08/13/20 09:33:40
Instrument Used : Filth/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	Weight	Extraction date :	Extracted By :
450	0.1081g	08/12/20 12:08:14	965

Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 08/13/20 11:54:37
Analytical Batch -DA014732POT Instrument Used : DA-LC-003 Batch Date : 08/12/20 11:12:32

Reagent	Dilution	Consums. ID
032320.28	400	280678841
080620.R23		918C4-918J
080620.R22		914C4-914AK
		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



Signature

08/17/2020

State License # CMTL-0002
ISO Accreditation # 97164

Signed On



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PASSED

Nowave

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

Sample : DA00812008-001

Harvest/LOT ID: N/A

Batch# : 8-5-20

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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	%	0.034
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
GUAJOL	0.007	%	0.062
GERANYL ACETATE	0.007	%	ND
GERANIOL	0.007	%	ND
GAMMA-TERPINENE	0.007	%	ND
FENCHONE	0.007	%	ND
FARNESENE	0.007	%	0.025

Total 0.122

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 0.9802g Extraction date 08/12/20 11:08:22 Extracted By 1351

Analysis Method -SOP.T.40.090
Analytical Batch -DA014711TER Reviewed On - 08/13/20 09:56:00
Instrument Used : DA-GCMS-005
Batch Date : 08/11/20 12:06:17

Reagent	Dilution	Consums. ID
080720.R01	10	280678841
080720.R02		76262-590
073020.R01		
080320.R18		

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.



Certificate of Analysis

PASSED

Nowave

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

Sample : DA00812008-001

Harvest/LOT ID: N/A

Batch# : 8-5-20

Sampled : 08/06/20

Ordered : 08/06/20

Sample Size Received : 12.6 gram

Completed : 08/17/20 Expires: 08/17/21

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	PROPICONAZOLE	0.01	ppm	1	0.450
ACEPHATE	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PYRETHRIN I	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRIN II	0.01	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRINS	0.05	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.02	PPM	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	3	ND
CARBOFURAN	0.01	ppm	0.1	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	THIAMETHOXAM	0.05	ppm	1	ND
COUMAPHOS	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	0.450
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DIAZANON	0.01	ppm	0.2	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
DICHLORVOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DIMETHOATE	0.01	ppm	0.1	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					
HEXYTHIAZOL	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					
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					
PRALLETHRIN	0.01	ppm	0.4	ND					

 **Pesticides** **PASSED**

Analyzed by **585** Weight **0.9058g** Extraction date **08/12/20 04:08:59** Extracted By **585**
 Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.30.065, SOP.T.40.070
 Analytical Batch - DA014652PES Reviewed On- 08/13/20 09:33:40
 Instrument Used : DA-LCMS-001_DER (PES)
 Batch Date : 08/10/20 09:25:24

Reagent	Dilution	Consums. ID
062220.10 080720.017 080720.018 079020.012 081020.031	10	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



Signature

08/17/2020

Signed On



Certificate of Analysis

PASSED

Nowave

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

Sample : DA00812008-001

Harvest/LOT ID: N/A

Batch# : 8-5-20

Sampled : 08/06/20

Ordered : 08/06/20

Sample Size Received : 12.6 gram

Completed : 08/17/20 Expires: 08/17/21


Sample Method : SOP Client Method

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Residual Solvents

PASSED



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-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** 0.0200g **Extraction date** 08/12/20 03:08:41 **Extracted By** 850

Analysis Method -SOP.T.40.032
Analytical Batch -DA014747SOL
Instrument Used : DA-GCMS-002
Batch Date : 08/12/20 14:37:29

Reviewed On - 08/13/20 15:39:02

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.40.032 Residual Solvents Analysis via GC-MS).

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Jorge Segredo
Lab Director



08/17/2020

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Certificate of Analysis

PASSED

Nowave

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Telephone: 3154066767
Email: sales@nowave.com

Sample : DA00812008-001

Harvest/LOT ID: N/A

Batch# : 8-5-20
Sampled : 08/06/20
Ordered : 08/06/20

Sample Size Received : 12.6 gram
Completed : 08/17/20 **Expires:** 08/17/21
Sample Method : SOP Client Method

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Microbials

PASSED



Mycotoxins

PASSED

Analyte	Result	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.	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 -DA014720MIC Batch Date : 08/12/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-171

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA014653MYC | Reviewed On - 08/13/20 12:37:56
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 08/10/20 09:26:49

Analyzed by	Weight	Extraction date	Extracted By
513	1.0287g	08/12/20	513

Analyzed by	Weight	Extraction date	Extracted By
585	1g	08/12/20 04:08:15	585

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
071020.19	181019-274	50AX30819	A07	2808006
101619.03	SG298A	850C6-850H	2807007	2811017
	11989-024CC-024	19423	2809005	
	181207119C	080717	2810014D	
	918C4-918J	2802019	029	
	914C4-914AK	2803029	2804026	

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
073120.R04	081120.R14	100	89401-566
081120.R18	071420.R15		
071320.08	071720.R03		
081020.R02	022520.03		
080420.R23	030420.06		
081220.R01	070120.01		

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
53	0.2586g	08/12/20 03:08:29	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA014744HEA | Reviewed On - 08/14/20 10:34:52
Instrument Used : DA-ICPMS-001
Batch Date : 08/12/20 13:27:08

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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