



# Certificate of Analysis

Sample:KN21020007-001

Harvest/Lot ID: 13677

Batch#: 2111SX/270ISX

Seed to Sale# N/A

Batch Date: 10/01/22

Sample Size Received: 30 ml

Total Batch Size: N/A

Retail Product Size: 30 ml

Ordered : 10/18/22

Sampled : 10/18/22

Completed: 10/27/22

Sampling Method: N/A

**PASSED**

Page 1 of 6

Oct 27, 2022 | Carmens Medicinals

1241 Stirling Rd Suite 101  
Dania Beach , FL, 33004, US



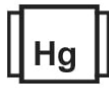
PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
**PASSED**



Filtth  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**TESTED**

MISC.



**Cannabinoid**

**PASSED**



Total CBG

**3.4537%**

Total CBG/Bottle : 1036.11 mg



Total CBD

**7.839%**

Total CBD/Bottle : 2351.7 mg



Total Cannabinoids

**11.4327%**

Total Cannabinoids/Bottle : 3429.81 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	0.0489	0.014	<0.01	3.4537	7.8268	ND	0.0221	ND	0.0164	ND	ND	0.0508	ND	ND	ND	ND
mg/ml	0.489	0.14	<0.1	34.537	78.268	ND	0.221	ND	0.164	ND	ND	0.508	ND	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:  
2837, 2657, 12

Weight:  
0.2033g

Extraction date:  
10/20/22 14:18:05

Extracted by:  
2837

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCA: 9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.

Analytical Batch : KN003051POT  
Instrument Used : HPLC E-SHI-008  
Running on : N/A

Reviewed On : 10/26/22 05:34:06  
Batch Date : 10/20/22 11:24:51

Dilution : N/A  
Reagent : 090122.02; 100422.02; 070822.R01; 101422.R17; 092622.03; 080822.06  
Consumables : 294108110; 21/12/28; n/a; 947.109 B9291.271; 40532-829C4-829D; 12265-115CC-115  
Pipette : E-GIL-010; E-EPP-081

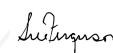
Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.

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**Sue Ferguson**

Lab Director

State License # n/a  
ISO Accreditation # 17025:2017



Signature

10/27/22

Signed On



# Certificate of Analysis

**PASSED**

Carmens Medicinals

1241 Stirling Rd Suite 101  
Dania Beach , FL, 33004, US  
Telephone: (888) 328-6445  
Email: info@carmensmedicinals.com

Sample : KN21020007-001  
Harvest/Lot ID: 13677

Batch# : 211ISX/270ISX  
Sampled : 10/18/22  
Ordered : 10/18/22

Sample Size Received : 30 ml  
Total Batch Size : N/A  
Completed : 10/27/22 Expires: 10/27/23  
Sample Method : SOP Client Method

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## Terpenes

**TESTED**

Terpenes	LOD (%)	mg/ml	%	Result (%)	Terpenes	LOD (%)	mg/ml	%	Result (%)
SABINENE HYDRATE	0.007	ND	ND		3-CARENE	0.007	ND	ND	
GERANIOL	0.007	ND	ND		FENCHYL ALCOHOL	0.007	ND	ND	
GERANYL ACETATE	0.007	ND	ND		HEXAHYDROTHYMOL	0.007	4.301	0.4301	
GUAJOL	0.007	<0.2	<0.02		EUCALYPTOL	0.007	0.459	0.0459	
LIMONENE	0.007	0.84	0.084		ISOBORNEOL	0.007	ND	ND	
LINALOOL	0.007	ND	ND		FARNESENE	0.007	<0.2	<0.02	
NEROL	0.007	ND	ND		FENCHONE	0.007	ND	ND	
OCIMENE	0.007	ND	ND		Analyzed by: 138, 12      Weight: 1.0137g      Extraction date: 10/25/22 16:38:15      Extracted by: 138				
ALPHA-PHELLANDRENE	0.007	ND	ND		Analysis Method : SOP.T.40.061.TN Analytical Batch : KN003062TER Instrument Used : E-SHI-109 Terpenes Running on : N/A Reviewed On : 10/27/22 18:10:01 Batch Date : 10/24/22 13:55:00				
PULEGONE	0.007	<0.2	<0.02		Dilution : 10 Reagent : 092221.03 Consumables : 294033242; n/a; 211214634-D; 947B9291.100 Pipette : E-GIL-011; E-GIL-013				
SABINENE	0.007	ND	ND		Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes.				
GAMMA-TERPINENE	0.007	ND	ND						
TERPINEOL	0.007	<0.2	<0.02						
TERPINOLENE	0.007	ND	ND						
TRANS-CARYOPHYLLENE	0.007	1.286	0.1286						
TRANS-NEROLIDOL	0.007	<0.2	<0.02						
VALENCENE	0.007	ND	ND						
ALPHA-BISABOOL	0.007	0.386	0.0386						
ALPHA-HUMULENE	0.007	0.416	0.0416						
ALPHA-PINENE	0.007	0.461	0.0461						
ALPHA-TERPINENE	0.007	ND	ND						
BETA-MYRCENE	0.007	0.635	0.0635						
BETA-PINENE	0.007	ND	ND						
BORNEOL	0.013	ND	ND						
CAMPHENE	0.007	ND	ND						
CAMPHOR	0.013	ND	ND						
CARYOPHYLLENE OXIDE	0.007	<0.2	<0.02						
CEDROL	0.007	ND	ND						
ALPHA-CEDRENE	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
<b>Total (%)</b>				<b>0.8784</b>					



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 Completed : 10/27/22 Expires: 10/27/23  
 Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZANON	0.01	ppm	0.2	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.01	ppm	3	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PERMETHRINS	0.01	ppm	1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						

Analyzed by: 2803	Weight: 0.5028g	Extraction date: 10/27/22 15:32:19	Extracted by: 2803
Analysis Method : SOP.T.40.101.TN		Reviewed On : 10/27/22 16:01:18	
Analytical Batch : KN003056PES		Batch Date : 10/21/22 17:35:34	
Instrument Used : E-SHI-125 Pesticides			
Running on : N/A			
Dilution : 0.01			
Reagent : N/A			
Consumables : N/A			
Pipette : N/A			

Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. \*Based on FL action limits.



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**Sampled : 10/18/22**  
**Ordered : 10/18/22**
**Sample Size Received : 30 ml**  
**Total Batch Size : N/A**  
**Completed : 10/27/22 Expires: 10/27/23**  
**Sample Method : SOP Client Method**

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## Residual Solvents

PASSED

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

Analyzed by: N/A	Weight: N/A	Extraction date: N/A	Extracted by: N/A
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<b>Analysis Method :</b> SOP.T.40.041.TN <b>Analytical Batch :</b> KN003053SOL <b>Instrument Used :</b> E-SHI-106 Residual Solvents <b>Running on :</b> N/A	<b>Reviewed On :</b> 10/27/22 12:56:26 <b>Batch Date :</b> 10/21/22 08:55:44
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**Dilution :** N/A  
**Reagent :** N/A  
**Consumables :** G201.100; G201.167  
**Pipette :** N/A

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. \*Based on FL action limits.

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**Sue Ferguson**

Lab Director

 State License # n/a  
 ISO Accreditation # 17025:2017

Signature

10/27/22

Signed On



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**PASSED**

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
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Harvest/Lot ID: 13677

Batch# : 211ISX/270ISX  
Sampled : 10/18/22  
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Sample Size Received : 30 ml  
Total Batch Size : N/A  
Completed : 10/27/22 Expires: 10/27/23  
Sample Method : SOP Client Method

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 <b>Microbial</b> <span style="float: right;"><b>PASSED</b></span>						 <b>Mycotoxins</b> <span style="float: right;"><b>PASSED</b></span>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
<b>Analyzed by:</b> 2805 <b>Weight:</b> 1.0293g <b>Extraction date:</b> 10/24/22 10:09:31 <b>Extracted by:</b> 2805						<b>Analyzed by:</b> 2803 <b>Weight:</b> 0.5028g <b>Extraction date:</b> N/A <b>Extracted by:</b> N/A					
<b>Analysis Method :</b> SOP.T.40.043 <b>Analytical Batch :</b> KN003054MIC <b>Instrument Used :</b> Micro E-HEW-069 <b>Running on :</b> N/A						<b>Analysis Method :</b> SOP.T.40.101.TN <b>Analytical Batch :</b> KN003072MYC <b>Instrument Used :</b> E-SHI-125 Mycotoxins <b>Running on :</b> N/A					
<b>Dilution :</b> N/A <b>Reagent :</b> 092022.03; 072722.01 <b>Consumables :</b> 251773; 242429; 0980420; P7528255; 250346; 253850; 93825; n/a; 10RWJ0415W03; QJ032G <b>Pipette :</b> E-THE-045; E-THE-046; E-THE-047; E-THE-048; E-THE-049; E-THE-050; E-THE-051; E-THE-052; E-THE-053; E-THE-054; E-THE-055; E-BIO-188						<b>Dilution :</b> N/A <b>Reagent :</b> N/A <b>Consumables :</b> N/A <b>Pipette :</b> N/A					
<b>Reviewed On :</b> 10/26/22 15:17:57 <b>Batch Date :</b> 10/21/22 09:07:22						<b>Reviewed On :</b> 10/27/22 16:10:18 <b>Batch Date :</b> 10/26/22 15:43:00					

 <b>Heavy Metals</b> <span style="float: right;"><b>PASSED</b></span>					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	ND	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5
<b>Analyzed by:</b> 2837, 138 <b>Weight:</b> 0.2562g <b>Extraction date:</b> 10/21/22 12:41:45 <b>Extracted by:</b> 2837					
<b>Analysis Method :</b> SOP.T.30.082, SOP.T.40.082.TN <b>Analytical Batch :</b> KN003052HEA <b>Instrument Used :</b> Metals ICP/MS <b>Running on :</b> N/A					
<b>Dilution :</b> N/A <b>Reagent :</b> 090122.02; 100722.R01; 101322.R14; 031620.03; 082922.09; 081922.R08; 101422.R14 <b>Consumables :</b> 40554-834C4-834D; 829C6-829B; 108779-06-102921; 12532-225CD-225C <b>Pipette :</b> E-VWR-116; E-VWR-120					
Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. *Based on FL action limits.					



# Certificate of Analysis

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Sample Method : SOP Client Method

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	<b>Filth/Foreign Material</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	detect/g	ND	PASS	3

Analyzed by: 2805	Weight: 0.5474g	Extraction date: 10/24/22 12:49:00	Extracted by: 2805
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Analysis Method : SOP.T.30.074, SOP.T.40.074  
Analytical Batch : KN003038FIL  
Instrument Used : E-AMS-138 Microscope  
Running on : N/A

Reviewed On : 10/24/22 12:50:06  
Batch Date : 10/17/22 15:48:10

Dilution : N/A  
Reagent : N/A  
Consumables : 0980420  
Pipette : N/A

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.

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**Sue Ferguson**

Lab Director

State License # n/a  
ISO Accreditation # 17025:2017



Signature

10/27/22

Signed On