



# Certificate of Analysis

Sample:KN20210002-001

Harvest/Lot ID: 12730

Batch#: 20008ISX

Seed to Sale# N/A

Batch Date: 02/04/22

Sample Size Received: 30 ml

Total Weight/Volume: N/A

Retail Product Size: 30 ml

Ordered : 02/04/22

sampled : 02/04/22

Completed: 02/14/22 Expires: 02/14/23

Sampling Method: SOP Client Method

**PASSED**

Page 1 of 5

Feb 14, 2022 | Carmens Medicinals

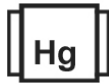
800 SE 4th Ave Suite 713  
Hallandale Beach , FL, 33009, US



## 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%**

TOTAL THC/Bottle :5.1 mg



Total CBD

**9.5%**

TOTAL CBD/Bottle :2852.7 mg



Total Cannabinoids

**9.7%**

Total Cannabinoids/Bottle :2933.7 mg

	CRDV	CRDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO
%	0	ND	ND	0	9.5	<0.01	0	ND	0	<0.01	ND	0	ND	ND	ND
mg/g	0.68	ND	ND	0.53	95.09	<0.1	0.49	ND	0.17	<0.1	ND	0.83	ND	ND	ND
LOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

**Filtration PASSED**

Analyzed By	Weight	Extraction date	Extracted By
1692	0.5119g	NA	NA
Analyte	LOD	Pass/Fail	Result
Filtration and Foreign Material	0.3	Pass	ND
Analysis Method -SOP.T.40.013 Batch Date : 02/10/22 08:58:24			
Analytical Batch -KN001942FIL Reviewed On - 02/10/22 12:44:04			
Instrument Used : E-AMS-138 Microscope			
Running On :			

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A 5W-2T13 Stereo Microscope is used for inspection.

## Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2121g	02/10/22 12:02:14	113
Analysis Method -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 -KN001939POT Instrument Used : HPLC E-SHI-008		Running On :	Batch Date : 02/09/22 10:13:30

Reagent	Dilution	Consumables ID
081321.R04	40	94789291.217
020922.R01		0030220
012722.R01		

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN for sample prep and Shimadzu High Sensitivity Method SOP.T.40.031 for analysis). \*Based on FL action limits.

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**Sue Ferguson**

Lab Director

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

*Sue Ferguson*  
Signature

02/14/22

Signed On



# Certificate of Analysis

**PASSED**

Carmens Medicinals

800 SE 4th Ave Suite 713  
Hallandale Beach, FL, 33009, US  
Telephone: (188) 823-8644  
Email: info@carmensmedicinals.com

Sample : KN20210002-001  
Harvest/Lot ID: 12730

Batch# : 20008ISX  
Sampled : 02/04/22  
Ordered : 02/04/22

Sample Size Received : 30 ml  
Total Weight/Volume : N/A  
Completed : 02/14/22 Expires: 02/14/23  
Sample Method : SOP Client Method

Page 2 of 5



## Terpenes

**TESTED**

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
TRANS-CARYOPHYLLENE	0.007	1.51	0.151		HEXAHYDROTHYMOL	0.007	ND	ND	
GUAJOL	0.007	< 0.2	< 0.02		EUCALYPTOL	0.007	ND	ND	
LIMONENE	0.007	1.05	0.105		ISOBORNEOL	0.007	ND	ND	
LINALOOL	0.007	ND	ND		FARNESENE	0.007	ND	ND	
NEROL	0.007	ND	ND		FENCHONE	0.007	ND	ND	
OCIMENE	0.007	ND	ND		GAMMA-TERPINENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND		GERANIOL	0.007	ND	ND	
PULEGONE	0.007	ND	ND						
SABINENE	0.007	< 0.2	< 0.02						
SABINENE HYDRATE	0.007	ND	ND						
TERPINEOL	0.007	ND	ND						
TERPINOLENE	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
TRANS-NEROLIDOL	0.007	< 0.2	< 0.02						
VALENCENE	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
ALPHA-HUMULENE	0.007	0.74	0.074						
ALPHA-PINENE	0.007	1.01	0.101						
ALPHA-TERPINENE	0.007	< 0.2	< 0.02						
BETA-MYRCENE	0.007	0.95	0.095						
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-BISABOLOL	0.007	0.21	0.021						
ALPHA-CEDRENE	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
3-CARENE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	ND	ND						



## Terpenes

**TESTED**

Analyzed by: 138 Weight: 1.0032g Extraction date: 02/14/22 02:02:43 Extracted By: 138

Analysis Method - SOP.T.40.090  
Analytical Batch - KN001945TER  
Instrument Used : E-SHI-109 Terpenes  
Running On :  
Batch Date : 02/10/22 10:14:56

Reviewed On - 02/14/22 15:04:57

Reagent	Dilution	Consums. ID
	10	

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.090 Terpenoid Analysis Via GC-MS. Analytes ISO Pending

Total (%) 0.547



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 Sample : KN20210002-001  
 Harvest/Lot ID: 12730

 Batch# : 20008ISX  
 Sampled : 02/04/22  
 Ordered : 02/04/22

 Sample Size Received : 30 ml  
 Total Weight/Volume : N/A  
 Completed : 02/14/22 Expires: 02/14/23  
 Sample Method : SOP Client Method

Page 3 of 5



## Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Pass/Fail	Result	Pesticides	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
CLOFENTZINE	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						



## Pesticides

PASSED

<b>Analyzed by</b> 143	<b>Weight</b> 0.5312g	<b>Extraction date</b> 02/10/22 12:02:55	<b>Extracted By</b> 143
<b>Analysis Method - SOP.T.30.060, SOP.T.40.060,</b>		<b>Reviewed On -</b> 02/10/22 12:44:04	
<b>Analytical Batch - KN001937PES</b>		<b>Batch Date : 02/09/22 09:53:02</b>	
<b>Instrument Used : E-SHI-125 Pesticides</b>			
<b>Running On : 02/09/22 11:39:56</b>			
<b>Reagent</b>	<b>Dilution</b>	<b>Consumables ID</b>	
020322.R13	10	200618634	
051021.01		947.271	
011822.R09			
020822.R01			
020122.R52			
010622.R02			

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). \*Based on FL action limits. \*

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**Sue Ferguson**

Lab Director

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



Signature

02/14/22

Signed On



# Certificate of Analysis

**PASSED**
**Carmens Medicinals**

 800 SE 4th Ave Suite 713  
 Hallandale Beach , FL, 33009, US  
 Telephone: (188) 823-8644  
 Email: info@carmensmedicinals.com

**Sample : KN20210002-001**  
**Harvest/Lot ID: 12730**
**Batch# : 20008ISX**  
**Sampled : 02/04/22**  
**Ordered : 02/04/22**
**Sample Size Received : 30 ml**  
**Total Weight/Volume : N/A**  
**Completed : 02/14/22 Expires: 02/14/23**  
**Sample Method : SOP Client Method**
**Page 4 of 5**



## Residual Solvents

**PASSED**

Solvent	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



## Residual Solvents

**PASSED**

<b>Analyzed by</b> 138	<b>Weight</b> 0.02481g	<b>Extraction date</b> 02/11/22 10:02:33	<b>Extracted By</b> 138
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**Analysis Method -SOP.T.40.032**
**Analytical Batch -KN001946SOL**
**Instrument Used : E-SHI-106 Residual Solvents**
**Running On :**
**Batch Date : 02/10/22 10:59:02**
**Reviewed On - 02/14/22 14:33:07**

<b>Reagent</b>	<b>Dilution</b> 1	<b>Consumables ID</b> R2017.062 G201-062
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Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). Analytes ISO pending. \*Based on FL action limits.



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Hallandale Beach, FL, 33009, US  
Telephone: (188) 823-8644  
Email: info@carmensmedicinals.com

Sample : KN20210002-001  
Harvest/Lot ID: 12730

Batch# : 20008ISX  
Sampled : 02/04/22  
Ordered : 02/04/22

Sample Size Received : 30 ml  
Total Weight/Volume : N/A  
Completed : 02/14/22 Expires: 02/14/23  
Sample Method : SOP Client Method

Page 5 of 5

	<b>Microbials</b>	<b>PASSED</b>		<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Result	Pass / Fail
ESCHERICHIA COLI SHIGELLA SPP		not present in 1 gram.	PASS
SALMONELLA SPECIFIC GENE		not present in 1 gram.	PASS
ASPERGILLUS FLAVUS		not present in 1 gram.	PASS
ASPERGILLUS FUMIGATUS		not present in 1 gram.	PASS
ASPERGILLUS NIGER		not present in 1 gram.	PASS
ASPERGILLUS TERREUS		not present in 1 gram.	PASS

Analysis Method -SOP.T.40.043

Analytical Batch -KN001935MIC Batch Date : 02/09/22 08:24:12

Instrument Used : E-HEW-069

Running On :

Analyzed by	Weight	Extraction date	Extracted By
1692	1.0015g	NA	NA

Reagent	Dilution
030121.01	1
122921.02	
121521.05	
030421.10	

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	Pass / Fail	Action Level
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	

Analysis Method -SOP.T.30.060, SOP.T.40.060

Analytical Batch -KN001938MYC | Reviewed On - 02/11/22 08:22:51

Instrument Used : E-SHI-125 Mycotoxins

Running On : 02/09/22 15:22:48 | Batch Date : 02/09/22 09:55:03

Analyzed by	Weight	Extraction date	Extracted By
143	0.5312g	02/10/22 12:02:31	143

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 <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. \*Based on FL action limits.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Metal	LOD	Unit	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

Analyzed by	Weight	Extraction date	Extracted By
12	25g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -KN001927HEA | Reviewed On - 02/14/22 14:48:15

Instrument Used : Metals ICP/MS

Running On : | Batch Date : 02/07/22 09:12:34

Reagent	Dilution	Consums. ID
121421.03	1	7226/0030021
120821.R22		210221060
011022.R08		
011022.R07		

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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**Sue Ferguson**

Lab Director

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Signature

02/14/22

Signed On