



# Certificate of Analysis

Sample:KN1123016-001  
Harvest/Lot ID: 792090ISX

Batch#: 12023

Seed to Sale# N/A

Batch Date: 10/01/21

Sample Size Received: 30 ml

Total Weight/Volume: N/A

Retail Product Size: 30 ml

Ordered : 11/18/21

sampled : 11/18/21

Completed: 11/30/21 Expires: 11/30/22

Sampling Method: SOP Client Method

**PASSED**

Page 1 of 5

Nov 30, 2021 | 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  
**0.175%**  
TOTAL THC/Container :50.4 mg



Total CBD  
**7.955%**  
TOTAL CBD/Container :2291.04 mg



Total Cannabinoids  
**8.790%**  
Total Cannabinoids/  
Container :2531.52mg

**Filtration PASSED**

Analyzed By	Weight	Extraction date	Extracted By
1692	0.5655g	11/23/21	1692
Analyte	LOD	Result	
Filtration and Foreign Material	0.3	ND	
Analysis Method -SOP.T.40.013 Batch Date : 11/23/21 10:26:18			
Analytical Batch -KN001603FIL Reviewed On - 11/23/21 13:33:11			
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 SW-2713 Stereo Microscope is use for inspection.

	CBDV	CBDa	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D9-THCO
%	0.094	0.026	ND	0.476	7.933	<0.01	0.026	ND	0.175	0.018	ND	0.042	ND	ND
mg/g	0.94	0.26	ND	4.76	79.33	<0.1	0.26	ND	1.75	0.18	ND	0.42	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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	20g	NA	NA
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 -KN001621POT Instrument Used : HPLC E-SHI-008		Running On :	
Reviewed On - 11/30/21 15:58:30		Batch Date : 11/29/21 13:36:26	

Reagent	Dilution	Consums. ID
112421.R07 102121.19 042021.01	40	12224-108CD-108C 947.271

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.)  
\*Based on FL action limits.

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**Sue Ferguson**  
Lab Director  
State License # n/a  
ISO Accreditation #  
17025:2017

*Sue Ferguson*  
Signature

11/30/21  
Signed On



# Certificate of Analysis

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**Carmens Medicinals**

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

**Sample : KN1123016-001**  
**Harvest/LOT ID: 792090ISX**

**Batch# : 12023**  
**Sampled : 11/18/21**  
**Ordered : 11/18/21**

**Sample Size Received : 30 ml**  
**Total Weight/Volume : N/A**  
**Completed : 11/30/21 Expires: 11/30/22**  
**Sample Method : SOP Client Method**

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## Terpenes

**TESTED**

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
TRANS-CARYOPHYLLENE	0.007	1.53	0.153		HEXAHYDRO THYMOL	0.007	9	0.9	
GUAIOL	0.007	ND	ND		EUCALYPTOL	0.007	1.2	0.12	
LIMONENE	0.007	1.08	0.108		ISOBORNEOL	0.007	ND	ND	
LINALOOL	0.007	< 0.2	< 0.02		FARNESENE	0.007	< 0.2	< 0.02	
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	0.31	0.031						
SABINENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	< 0.2	< 0.02						
TERPINEOL	0.007	ND	ND						
TERPINOLENE	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
TRANS-NEROLIDOL	0.007	ND	ND						
VALENCENE	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
ALPHA-HUMULENE	0.007	0.59	0.059						
ALPHA-PINENE	0.007	0.74	0.074						
ALPHA-TERPINENE	0.007	ND	ND						
BETA-MYRCENE	0.007	0.69	0.069						
BETA-PINENE	0.007	< 0.2	< 0.02						
BORNEOL	0.013	ND	ND						
CAMPHENE	0.007	ND	ND						
CAMPHOR	0.013	ND	ND						
CARYOPHYLLENE OXIDE	0.007	0.23	0.023						
CEDROL	0.007	ND	ND						
ALPHA-BISABOLOL	0.007	< 0.2	< 0.02						
ALPHA-CEDRENE	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
3-CARENE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	ND	ND						
<b>Total (%)</b>		<b>1.545</b>							

**Terpenes TESTED**

Analyzed by 138 Weight 1.00061g Extraction date 11/24/21 11:11:25 Extracted By 138

Analysis Method -SOP.T.40.090 Analytical Batch -KN001605TER Instrument Used : E-SHI-109 Terpenes Reviewed On - 11/30/21 17:10:27

Running On : Batch Date : 11/23/21 10:47:46

Reagent	Dilution	Consums. ID
092221.02	10	200618634 210419634 201230 94789291.217 280083251

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

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

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11/30/21  
Signed On



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 Telephone: (188) 823-8644  
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**Sample : KN1123016-001**
**Harvest/LOT ID: 7920901SX**
**Batch# : 12023**
**Sampled : 11/18/21**
**Ordered : 11/18/21**
**Sample Size Received : 30 ml**
**Total Weight/Volume : N/A**
**Completed : 11/30/21 Expires: 11/30/22**
**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	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
ACEPHATE	0.01	ppm	3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEQUINOCL	0.01	ppm	2	0.25	PROPICONAZOLE	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRINS	0.01	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	3	ND
BOSCALID	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CARBARYL	0.01	ppm	0.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	ND	THIAMETHOXAM	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPIROSAD	0.01	ppm	3	ND
CLOFENTEZINE	0.01	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND					
CYPERMETHRIN	0.01	ppm	1	ND					
DAMINOZIDE	0.01	ppm	0.1	ND					
DAZANON	0.01	ppm	0.2	ND					
DICHLORVOS	0.01	ppm	0.1	ND					
DIMETHOATE	0.01	ppm	0.1	ND					
DIMETHOMORPH	0.01	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	0.01	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.01	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	0.01	ppm	0.5	ND					
OXAMYL	0.01	ppm	0.5	ND					
PACLOBUTRAZOL	0.01	ppm	0.1	ND					
PERMETHRINS	0.01	ppm	1	ND					
PHOSMET	0.01	ppm	0.2	ND					



### Pesticides

## PASSED

<b>Analyzed by</b> 143	<b>Weight</b> 0.5133g	<b>Extraction date</b> 11/23/21 04:11:39	<b>Extracted By</b> 143
<b>Analysis Method</b> - SOP.T.30.060, SOP.T.40.060 ,		<b>Reviewed On</b> - 11/23/21 13:33:11	
<b>Analytical Batch</b> - KN001597PES		<b>Batch Date</b> : 11/22/21 12:17:52	
<b>Instrument Used</b> : E-SHI-125 Pesticides			
<b>Running On</b> : 11/22/21 17:23:42			
<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>	
110021.R03	100	200618634	
00021.R4		947.271	
111521.R03			
112221.R23			
112221.R24			

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). Analytes ISO pending. \*Based on FL action limits. \*

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

*Sue Ferguson*  
 Signature

11/30/21  
 Signed On





# Certificate of Analysis

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**Carmens Medicinals**

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

**Sample : KN1123016-001**  
**Harvest/LOT ID: 792090ISX**
**Batch# :** 12023  
**Sampled :** 11/18/21  
**Ordered :** 11/18/21

**Sample Size Received :** 30 ml  
**Total Weight/Volume :** N/A  
**Completed :** 11/30/21 **Expires:** 11/30/22  
**Sample Method :** SOP Client Method

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**Residual Solvents** **PASSED**

**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

<b>Analyzed by</b> 138	<b>Weight</b> 0.02131g	<b>Extraction date</b> 11/24/21 12:11:12	<b>Extracted By</b> 138
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**Analysis Method -SOP.T.40.032**  
**Analytical Batch -KN001604SOL** **Reviewed On - 11/30/21 17:10:11**  
**Instrument Used : E-SHI-106 Residual Solvents**  
**Running On : 11/23/21 17:19:36**  
**Batch Date : 11/23/21 10:38:52**

<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>
	1	

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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Sample : KN1123016-001  
Harvest/LOT ID: 792090ISX

Batch# : 12023  
Sampled : 11/18/21  
Ordered : 11/18/21

Sample Size Received : 30 ml  
Total Weight/Volume : N/A  
Completed : 11/30/21 Expires: 11/30/22  
Sample Method : SOP Client Method

Page 5 of 5



**Microbials**

**PASSED**

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

Analysis Method -SOP.T.40.043  
Analytical Batch -KN001608MIC Batch Date : 11/24/21 08:33:43  
Instrument Used : Micro E-HEW-069  
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1692	0.9916g	NA	NA

**Dilution**

1  
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.



**Mycotoxins**

**PASSED**

Analyte	LOD	Units	Result	Action Level
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
TOTAL MYCOTOXINS	0.002	ppm	ND	

Analysis Method -SOP.T.30.060, SOP.T.40.060  
Analytical Batch -KN001598MYC | Reviewed On - 11/23/21 17:58:11  
Instrument Used : E-SHI-125 Mycotoxins  
Running On : 11/22/21 17:25:17  
Batch Date : 11/22/21 12:20:54

Analyzed by	Weight	Extraction date	Extracted By
143	0.5133g	11/23/21 05:11:53	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.



**Heavy Metals**

**PASSED**

Reagent	Dilution	Consums. ID
100421.02	1	7226/0030021
092121.R22		210221060
031620.03		
080421.R13		
110121.03		
040521.R04		

Metal	LOD	Unit	Result	Action Level
ARSENIC-AS	0.02	ppm	ND	1.5
CADMIUM-CD	0.02	ppm	ND	0.5
MERCURY-HG	0.02	ppm	ND	3
LEAD-PB	0.02	ppm	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
138	0.2756g	11/29/21 04:11:12	138

Analysis Method -SOP.T.40.050, SOP.T.30.052  
Analytical Batch -KN001620HEA | Reviewed On - 11/30/21 17:09:39  
Instrument Used : Metals ICP/MS  
Running On :  
Batch Date : 11/29/21 12:46:00

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. \*Based on FL action limits.

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Lab Director  
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17025:2017

*Sue Ferguson*  
Signature

11/30/21  
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