



# Certificate of Analysis

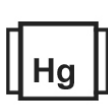
**Sample:KN20214001-004**
**Harvest/Lot ID: DGA-100**
**Batch#: DGA-100**
**Seed to Sale# N/A**
**Batch Date: 02/01/22**
**Sample Size Received: 7 gram**
**Total Weight/Volume: N/A**
**Retail Product Size: .5 gram**
**Ordered : 02/03/22**
**sampled : 02/03/22**
**Completed: 02/18/22 Expires: 02/18/23**
**Sampling Method: SOP Client Method**
**PASSED**

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Feb 18, 2022 | Green Spectrums

46 Foster Road, Suite 1  
Hopewell Junction, NY, 12533, US

## PRODUCT IMAGE SAFETY RESULTS


**Pesticides**  
NOT TESTED

**Heavy Metals**  
NOT TESTED

**Microbials**  
PASSED

**Mycotoxins**  
NOT TESTED

**Residuals Solvents**  
NOT TESTED

**Filtration**  
NOT TESTED

**Water Activity**  
NOT TESTED

**Moisture**  
PASSED

**Terpenes**  
TESTED

## CANNABINOID RESULTS


**Total THC**  
**0.101%**

**Total CBD**  
**2.395%**

**Total Cannabinoids**  
**5.178%**

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO
%	<0.01	2.165	2.143	0.174	0.497	0.01	<0.01	ND	0.049	ND	ND	0.08	0.06	ND	ND
mg/g	<0.1	21.65	21.43	1.74	4.97	0.1	<0.1	ND	0.49	ND	ND	0.8	0.6	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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyte	Analyzed by	Ext. Weight date	LOD	P/F	Result
MOISTURE CONTENT	1	0.503g 02/18/22	0.1 %		6.97%
Analysis Method -SOP.T.40.011 Batch Date : 02/18/22 09:03:42					
Analytical Batch -KN001984MOI Reviewed On - 02/18/22 09:07:26					
Instrument Used : E-SHI-039 Moisture Detector					

## Cannabinoid Profile Test

Analyzed by 113	Weight 0.2017g	Extraction date : 02/14/22 10:02:08	Extracted By : 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 -KN001952POT Instrument Used : HPLC E-SHI-008		Running On :	Batch Date : 02/14/22 09:17:34

Reagent	Dilution	Consumables ID
020922.R01 012722.R01 081321.R04	40	947.271 0030220

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.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**Sue Ferguson**  
Lab Director

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


  
Signature

02/18/22

Signed On



# Certificate of Analysis

**PASSED**
**Green Spectrums**

 46 Foster Road, Suite 1  
 Hopewell Junction, NY, 12533, US  
 Telephone: (845) 447-2240  
 Email: greenspectrumsCBD@gmail.com

**Sample : KN20214001-004**  
**Harvest/Lot ID: DGa-100**
**Batch# : DGa-100**  
**Sampled : 02/03/22**  
**Ordered : 02/03/22**
**Sample Size Received : 7 gram**  
**Total Weight/Volume : N/A**  
**Completed : 02/18/22 Expires: 02/18/23**  
**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	0.88	0.088		ISOBORNEOL	0.007	ND	ND	
GUAIAOL	0.007	0.23	0.023		FENCHONE	0.007	ND	ND	
LIMONENE	0.007	ND	ND		GAMMA-TERPINENE	0.007	ND	ND	
LINALOOL	0.007	< 0.2	< 0.02		GERANIOL	0.007	ND	ND	
NEROL	0.007	ND	ND						
ALPHA-PHELLANDRENE	0.007	ND	ND						
PULEGONE	0.007	ND	ND						
SABINENE	0.007	ND	ND						
SABINENE HYDRATE	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	< 0.2	< 0.02						
ISOPULEGOL	0.007	ND	ND						
ALPHA-HUMULENE	0.007	0.23	0.023						
ALPHA-PINENE	0.007	< 0.2	< 0.02						
ALPHA-TERPINENE	0.007	ND	ND						
BETA-MYRCENE	0.007	0.35	0.035						
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	0.22	0.022						
CEDROL	0.007	ND	ND						
ALPHA-BISABOLOL	0.007	0.41	0.041						
ALPHA-CEDRENE	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
3-CARENE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
EUCALYPTOL	0.007	ND	ND						

**Total (%)** 0.232


## Terpenes

**TESTED**

Analyzed by 1	Weight 0.96889g	Extraction date NA	Extracted By NA
<b>Analysis Method - SOP.T.40.090</b> <b>Analytical Batch - KN001962TER</b> <b>Instrument Used : E-SHI-109 Terpenes</b> <b>Running On :</b> <b>Batch Date : 02/15/22 09:41:01</b>			
<b>Reagent</b> <b>Dilution</b> <b>Consums. ID</b> 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.			

Reviewed On - 02/16/22 12:49:16



# Certificate of Analysis

**PASSED**
**Green Spectrums**

 46 Foster Road, Suite 1  
 Hopewell Junction, NY, 12533, US  
 Telephone: (845) 447-2240  
 Email: greenspectrumsCBD@gmail.com

**Sample : KN20214001-004**  
**Harvest/Lot ID: DGA-100**
**Batch# : DGA-100**  
**Sampled : 02/03/22**  
**Ordered : 02/03/22**
**Sample Size Received : 7 gram**  
**Total Weight/Volume : N/A**  
**Completed : 02/18/22 Expires: 02/18/23**  
**Sample Method : SOP Client Method**

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	<b>Microbials</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 -KN001951MIC Batch Date : 02/11/22 12:24:14**
**Instrument Used : Micro E-HEW-069**
**Running On :**

Analyzed by	Weight	Extraction date	Extracted By
1692	1.0154g	02/14/22 08:02:49	1692

**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.