Kentucky Cannabis Company

230 N. Gratz St, Midway, KY 40347

CERTIFICATE OF ANALYSIS

5/6/2021

Genesis Blend Hemp Oil-Regular Strength
1082 C

CANNABINOIDS	Mass %	Mass mg/mL
Analyte	-	-
CBD	1.1584	11.584
CBDA	0.1283	1.283
CBDV	ND	ND
d9-THC	0.0644	0.644
d8-THC	ND	ND
THCA	ND	ND
THCV	ND	ND
CBN	ND	ND
CBC	0.0564	0.564
CBG	0.009	0.09
Total CBD	**1.27%**	**12.71**
Total THC	**0.06%**	**0.64**
Total Cannabinoids	**-**	**14.049**

Total CBD: (CBDA * 0.877) + CBD

Total THC: (THCA * 0.877) + d9-THC

MYCOTOXINS	Pass	
Analyte	LOQ ppb	Result ppb
Aflatoxin-B1	5.000	Pass
Aflatoxin-B2	5.000	Pass
Aflatoxin-G1	5.000	Pass
Aflatoxin-G2	5.000	Pass
Ochratoxin-A	5.000	Pass

HEAVY METALS	Pass	
Analyte	LOQ ug/g	Result ug/g
Arsenic	0.02	Pass
Cadmium	0.02	Pass
Lead	0.02	Pass
Mercury	0.05	Pass

RESIDUAL SOLVENTS	Pass
For a full panel of residual solvents tested, see attached test from KCA Labs	

PESTICIDES	Pass
For a full panel of pesticides tested, see attached test from KCA Labs	

MICROBIALS	Pass
For a full panel of Microbials tested, see attached test from KCA Labs	

K.R

Laboratory Supervisor
Kelsey Rogers

Bill Polyniak

Reviewed By
William Polyniak

LOQ: Limit of Quantification | ND: Not Detected | NA: Not Analyzed | ppb: parts per billion | ug/g: microgram per gram | RL: Reporting Limit

This product has been tested by Kentucky Cannabis Company and by KCA Laboratories using validated testing methodologies. Page 1 compiles the results of all testing completed on the product. KCA Laboratories' results have been included for authenticity and verification purposes. This Certificate should not be reproduced except in full.

Sample Potency Report

Sample name: 1082 C

Type: Sample

Instrument: 1220 LC

Inj. volume (uL): 5.0

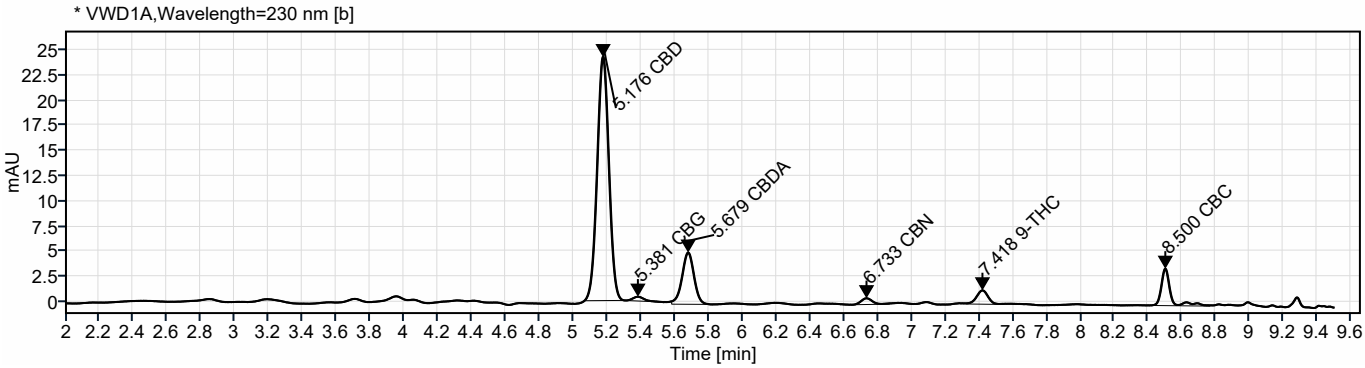
Injection date: 2021-05-06 12:13:59-04:00

Data file: 2021-05-06 12-13-09-04-00-03.dx

Acquisition method: cannabis EC2.amx

Processing method: Cannabis EC18.pmx

Chromatogram



Sample Results

Signal: * VWD1A,Wavelength=230 nm [b]

Analyte	RT [min]	RF	Area	Amount [ug/mL]	Concentration [mg/mL]	Mass %
CBD	5.18	9.479	116.811	12.323	11.584	1.158
CBG	5.38	20.366	1.953	0.096	0.090	0.009
CBDA	5.68	18.548	25.307	1.364	1.283	0.128
CBN	6.73	59.696	2.887	0.048	0.045	0.005
9-THC	7.42	9.530	6.530	0.685	0.644	0.064
CBC	8.50	23.729	13.779	0.581	0.546	0.055

Total THC Potency [mg/mL]	Total CBD Potency [mg/mL]
0.64	12.71

(Total THC Potency= THCA x 0.877 + 9-THC; Total CBD Potency= CBDA x 0.877 + CBD)

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

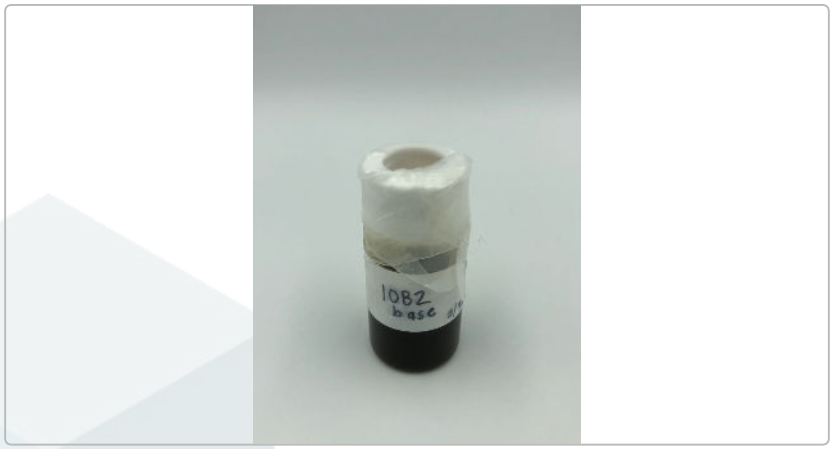
(833) 522-5227
https://kcalabs.com
KDA Lic.# P_0058

1082 Base

Sample ID: 2103KCA0356.0861
Cultivar: N/A
Matrix: Ingestible
Type: Tincture
Sample Size:

Received: 03/09/2021
Completed: 03/12/2021
Batch#: Genesis Blend

Client
Kentucky Cannabis Company
Lic.# 16-11-05P
230 N Gratz St
Midway, KY 40347



Heavy Metals by ICP-MS

Passed

Analyte	LOD	LOQ	Mass
	µg/g	µg/g	µg/g
Arsenic	0.002	0.02	ND
Cadmium	0.001	0.02	ND
Lead	0.002	0.02	ND
Mercury	0.012	0.05	ND

Date Tested: 03/11/2021
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = None Detected

Wes Rogers
Principal Scientist
03/12/2021

This product or substance has been tested by KCA Laboratories using validated testing methodologies and a quality system. Values reported relate only to the product or substance tested. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories.

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Pesticides by LCMS/MS & GCMS/MS

Passed

Analyte	LOD PPM	LOQ PPM	Mass PPM
Abamectin	0.001	0.005	ND
Acephate	0.001	0.005	ND
Acetamiprid	0.001	0.005	ND
Aldicarb	0.001	0.005	ND
Azoxystrobin	0.001	0.005	ND
Bifenazate	0.001	0.005	ND
Boscalid	0.001	0.005	ND
Carbaryl	0.001	0.005	ND
Carbofuran	0.001	0.005	ND
Chlorantraniliprole	0.001	0.005	ND
Chlorfenapyr	0.001	0.005	ND
Clofentezine	0.001	0.005	ND
Coumaphos	0.001	0.005	ND
Daminozide	0.001	0.005	ND
Diazinon	0.001	0.005	ND
Dimethoate	0.001	0.005	ND
Dimethomorph	0.001	0.005	ND
Ethoprophos	0.001	0.005	ND
Etofenprox	0.001	0.005	ND
Etoxazole	0.001	0.005	ND
Fenhexamid	0.001	0.005	ND
Fenoxycarb	0.001	0.005	ND
Fenpyroximate	0.001	0.005	ND
Fipronil	0.001	0.005	ND
Flonicamid	0.001	0.005	ND
Fludioxonil	0.001	0.005	ND
Hexythiazox	0.001	0.005	ND

Analyte	LOD PPM	LOQ PPM	Mass PPM
Imazalil	0.001	0.005	ND
Imidacloprid	0.001	0.005	ND
Kresoxim Methyl	0.001	0.005	ND
Malathion	0.001	0.005	ND
Metalaxyl	0.001	0.005	ND
Methiocarb	0.001	0.005	ND
Methomyl	0.001	0.005	ND
Mevinphos	0.001	0.005	ND
Myclobutanil	0.001	0.005	ND
Naled	0.001	0.005	ND
Oxamyl	0.001	0.005	ND
Paclobutrazol	0.001	0.005	ND
Permethrin	0.001	0.005	ND
Phosmet	0.001	0.005	ND
Piperonyl Butoxide	0.001	0.005	ND
Propiconazole	0.001	0.005	ND
Propoxur	0.001	0.005	ND
Pyridaben	0.001	0.005	ND
Spinetoram	0.001	0.005	ND
Spinosad	0.001	0.005	ND
Spiromesifen	0.001	0.005	ND
Spirotetramat	0.001	0.005	ND
Spiroxamine	0.001	0.005	ND
Tebuconazole	0.001	0.005	ND
Thiacloprid	0.001	0.005	ND
Thiamethoxam	0.001	0.005	ND
Trifloxystrobin	0.001	0.005	ND

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Microbials by qPCR

Passed

Date Analyzed: 03/12/2021

Analyte	Result
	CFU/g
Aerobic Bacteria	Not Detected in 1g
Shiga toxin-producing E. Coli	Not Detected in 1g
Enterobacteriaceae	Not Detected in 1g
Salmonella	Not Detected in 1g

Date Tested: 03/12/2021
TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

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Mycotoxins by LCMS/MS

Passed

Analyte	LOD	LOQ	Units
	PPB	PPB	PPB
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

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Residual Solvents by HS-GC/MS

Passed

Analyte	LOD	LOQ	Mass	Analyte	LOD	LOQ	Mass
	PPM	PPM	PPM		PPM	PPM	PPM
Acetone	0.5	1	<RL	Heptane	0.5	1	ND
Acetonitrile	0.5	1	ND	Isobutane	0.5	1	ND
Benzene	0.5	1	ND	Isopropanol	0.5	1	<RL
Butane	0.5	1	<RL	Isopropyl-Acetate	0.5	1	ND
1-Butanol	0.5	1	ND	Methanol	0.5	1	ND
2-Butanol	0.5	1	ND	2-Methyl-Butane	0.5	1	ND
2-Butanone	0.5	1	ND	2-Methyl-Pentane	0.5	1	ND
Chloroform	0.5	1	ND	3-Methyl-Pentane	0.5	1	ND
Cumene	0.5	1	ND	Methylene-Chloride	0.5	1	ND
Cyclohexane	0.5	1	ND	N,N-Dimethyl-Acetamide	0.5	1	ND
1,2-Dichloro-Ethane	0.5	1	ND	N,N-Dimethyl-Formamide	0.5	1	ND
1,2-Dimethoxy-Ethane	0.5	1	ND	Neopentane	0.5	1	<RL
2,2-Dimethyl-Butane	0.5	1	ND	1-Pentanol	0.5	1	ND
2,3-Dimethyl-Butane	0.5	1	ND	Propane	0.5	1	ND
Dimethyl sulfoxide	0.5	1	ND	1-Propanol	0.5	1	ND
1,4-Dioxane	0.5	1	ND	Pyridine	0.5	1	ND
Ethanol	0.5	1	ND	Sulfolane	0.5	1	ND
2-Ethoxy-Ethanol	0.5	1	ND	Tetrahydrofuran	0.5	1	ND
Ethyl-Acetate	0.5	1	ND	Toluene	0.5	1	ND
Ethyl-Benzene	0.5	1	ND	Trichloroethene	0.5	1	ND
Ethyl-Ether	0.5	1	ND	Xylenes	0.5	1	ND
Ethylene glycol	0.5	1	ND	n-Hexane	0.5	1	ND
Ethylene oxide	0.5	1	ND	n-Pentane	0.5	1	ND

Date Tested: 03/**mA**/2021
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RL = Reporting Limit

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Terpenes by HS-GC/MS

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
α-Bisabolol	0.00001	0.00005	0.002899	0.02899
Borneol	0.00001	0.00005	0.000691	0.00691
Camphene	0.00001	0.00005	0.001747	0.01747
Camphor	0.00001	0.00005	ND	ND
3-Carene	0.00001	0.00005	0.000181	0.00181
Caryophyllene oxide	0.00001	0.00005	0.001577	0.01577
β-Caryophyllene	0.00001	0.00005	0.23117	2.3117
α-Cedrene	0.00001	0.00005	ND	ND
Cedrol	0.00001	0.00005	ND	ND
Endo-Fenchyl alcohol	0.00001	0.00005	0.001932	0.01932
Eucalyptol	0.00001	0.00005	0.000469	0.00469
Fenchone	0.00001	0.00005	ND	ND
Geraniol	0.00001	0.00005	ND	ND
Geranyl acetate	0.00001	0.00005	ND	ND
Guaiol	0.00001	0.00005	0.002134	0.02134
Hexahydro thymol	0.00001	0.00005	ND	ND
α-Humulene	0.00001	0.00005	0.004052	0.04052
Isoborneol	0.00001	0.00005	ND	ND
Isopulegol	0.00001	0.00005	ND	ND
Limonene	0.00001	0.00005	0.017796	0.17796
Linalool	0.00001	0.00005	0.001683	0.01683
β-Myrcene	0.00001	0.00005	0.053664	0.53664
Nerol	0.00001	0.00005	ND	ND
Ocimene	0.00001	0.00005	0.000868	0.00868
α-Phellandrene	0.00001	0.00005	0.000263	0.00263
α-Pinene	0.00001	0.00005	0.103793	1.03793
β-Pinene	0.00001	0.00005	0.019447	0.19447
Pulegone	0.00001	0.00005	ND	ND
Sabinene	0.00001	0.00005	ND	ND
Sabinene hydrate	0.00001	0.00005	0.00033	0.0033
α-Terpinene	0.00001	0.00005	0.000247	0.00247
γ-Terpinene	0.00001	0.00005	0.000177	0.00177
α-Terpineol	0.00001	0.00005	0.000823	0.00823
γ-Terpineol	0.00001	0.00005	ND	ND
Terpinolene	0.00001	0.00005	0.001547	0.01547
Valencene	0.00001	0.00005	ND	ND
cis-Nerolidol	0.00001	0.00005	ND	ND
trans-Nerolidol	0.00001	0.00005	0.000228	0.00228
Total			**0.450000**	**4.50000**

Primary Aromas

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