



Order #: 87816
Retail Batch #:
KP112024

CERTIFICATE OF ANALYSIS
ISO/IEC: 17025:2017 Accreditation #:
103104
License #: CMTL-00004

Order Information

Order #: 87816
Order Name: Kanna Pharma 6000mg
FSO~30ml
Retail Batch #: KP112024
Received: 07/30/2024 12:56:11
Complete: 08/05/2024 16:03:15

Batch Information

Create Date: Total Qty.: 0
Exp. Date: Matrix: Tincture
Size: 0 Pickup Weight: N/A



CANNABINOID PROFILE TESTED	LABEL CLAIM PASS	MICROBIAL ANALYSIS PASS
RESIDUAL SOLVENTS PASS	AGRICULTURAL AGENTS PASS	HEAVY METAL ANALYSIS PASS
TERPENES TOTAL TESTED	MOISTURE ANALYSIS NOT TESTED	WATER ACTIVITY NOT TESTED
FILTH & FOREIGN NOT TESTED	HOMOGENEITY NOT TESTED	MYCOTOXIN ANALYSIS PASS

0.2469%
Total THC

22.2456%
Total CBD

22.9943%
Total Cannabinoids

Robert Miller PhD.

Laboratory Director

ACT Laboratories Florida
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(954) 514-9343



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Order #: 87816
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Sample Prep

Tech: 4481
SOP: 418
Batch Number: 63336
Batch Date: 07/29/2024 12:31:28

Sample Analysis

Date/Time: 08/01/2024 13:15:14
Tech: 3445
SOP: 417
Final Weight: 1.019 g
Volume: 40 ml

CANNABINOID PROFILE

HPLC-DAD

0.2469% Total THC	2.4592 mg THC Per Unit	73.7789 mg THC Per Pkg
22.2456% Total CBD	222 mg CBD Per Unit	6.660 mg CBD Per Pkg
22.9943% Total Cannabinoids	228.6666 mg Cannabinoids Per Unit	6.860 mg Cannabinoids Per Pkg

Cannabinoid Potency

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBC	531/491	26	ND	ND	ND	ND	--	--
CBD	136/491	26	22.2	222	6.660	3040.793	6000	1.4
CBDA	75/491	26	ND	ND	ND	ND	--	--
CBDV	10/491	26	0.216	2.16	64.7	35.409	--	--
CBG	80/491	26	0.0980	0.981	29.4	65.630	--	--
CBGA	37/491	26	ND	ND	ND	ND	--	--
CBN	14/491	26	< LOQ	< LOQ	< LOQ	< LOQ	--	--
d8-THC	83/491	26	ND	ND	ND	ND	--	--
d9-THC	71/491	26	0.246	2.46	73.7	84.370	--	--
THCA	81/491	26	ND	ND	ND	ND	--	--
THCV	32/491	26	0.0920	0.919	27.6	ND	--	--
THCVA	26/491	26	ND	ND	ND	ND	--	--
CBCA	135/491	26	ND	ND	ND	ND	--	--

mg/unit = 1 (g) per unit x 0.945 (g/ml) x cannabinoid concentration (mg/g)
Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

CANNABINOID TOTALS	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE
Total THC	0.2469	2.469	2.4592	73.7789
Total CBD	22.2456	222.456	222	6.660
Total Cannabinoids	22.9943	229.943	228.6666	6.860

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MYCOTOXIN ANALYSIS

LC-MS/MS

PASS

Sample Prep

Tech: 3393
SOP: 432
Batch Number: 63345
Batch Date: 07/30/2024 16:57:03

Sample Analysis

Date/Time: 08/01/2024 17:28:07
Tech: 3445
SOP: 424
Final Weight: 0.1084 g
Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LEVEL (ppb)	RESULTS (ppb)
Aflatoxin B1	2/10	1	20	ND
Aflatoxin B2	2/10	1	20	ND
Aflatoxin G1	2/10	1	20	ND
Aflatoxin G2	2/5	1	20	ND
Ochratoxin A	2/10	1	20	ND

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Agricultural Agents
LC-MS/MS **PASS**

Sample Prep

Tech: 3393
SOP: 432
Batch Number: 63345
Batch Date: 07/30/2024 16:57:03

Sample Analysis

Date/Time: 08/01/2024 17:28:07
Tech: 3445
SOP: 424
Final Weight: 0.1084 g
Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL(ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)
Abamectin B1a	0.002/0.035	1	0.3	ND	Imazalil	0.002/0.01	1	0.1	ND
Acephate	0.002/0.04	1	3	ND	Imidacloprid	0.002/0.002	1	3	ND
Acequinocyl	0.002/0.002	1	2	ND	Kresoxim-methyl	0.002/0.002	1	1	ND
Acetamiprid	0.002/0.002	1	3	ND	Malathion	0.01/0.04	1	2	ND
Aldicarb	0.002/0.01	1	0.1	ND	Metalaxyl	0.002/0.004	1	3	ND
Azoxystrobin	0.002/0.04	1	3	ND	Methiocarb	0.002/0.01	1	0.1	ND
Bifenazate	0.002/0.002	1	3	ND	Methomyl	0.002/0.002	1	0.1	ND
Bifenthrin	0.002/0.002	1	0.5	ND	Mevinphos	0.009/0.036	1	0.1	ND
Boscalid	0.01/0.05	1	3	ND	Myclobutanil	0.002/0.04	1	3	ND
Carbaryl	0.002/0.004	1	0.5	ND	Naled	0.002/0.01	1	0.5	ND
Carbofuran	0.002/0.01	1	0.1	ND	Oxamyl	0.002/0.002	1	0.5	ND
Chlorantraniliprole	0.002/0.01	1	3	ND	Paclobutrazol	0.002/0.004	1	0.1	ND
Chlormequat chloride	0.002/0.004	1	3	ND	Permethrins	0.002/0.01	1	1	ND
Chlorpyrifos	0.002/0.01	1	0.1	ND	Phosmet	0.002/0.002	1	0.2	ND
Clofentezine	0.002/0.002	1	0.5	ND	Piperonyl Butoxide	0.002/0.002	1	3	ND
Daminozide	0.01/0.04	1	0.1	ND	Prallethrin	0.002/0.01	1	0.4	ND
Diazinon	0.002/0.01	1	0.2	ND	Propiconazole	0.002/0.04	1	1	ND
Dichlorvos	0.002/0.04	1	0.1	ND	Propoxur	0.002/0.01	1	0.1	ND
Dimethoate	0.002/0.002	1	0.1	ND	Pyrethrins	0.001/0.013	1	1	ND
Dimethomorph	0.001/0.002	1	3	ND	Pyridaben	0.002/0.002	1	3	ND
Ethoprophos	0.002/0.01	1	0.1	ND	Spinetoram	0.001/0.003	1	3	ND
Etofenprox	0.002/0.002	1	0.1	ND	Spinosad	0.001/0.001	1	3	ND
Etoxazole	0.002/0.002	1	1.5	ND	Spiromesifen	0.002/0.002	1	3	ND
Fenhexamid	0.01/0.04	1	3	ND	Spirotetramat	0.002/0.01	1	3	ND
Fenoxycarb	0.002/0.004	1	0.1	ND	Spiroxamine	0.002/0.04	1	0.1	ND
Fenpyroximate	0.002/0.002	1	2	ND	Tebuconazole	0.01/0.04	1	1	ND
Fipronil	0.002/0.004	1	0.1	ND	Thiacloprid	0.002/0.002	1	0.1	ND
Fonicamid	0.002/0.01	1	2	ND	Thiamethoxam	0.002/0.01	1	1	ND
Fludioxonil	0.002/0.004	1	3	ND	Trifloxystrobin	0.002/0.002	1	3	ND
Hexythiazox	0.002/0.004	1	2	ND					

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TERPENES TOTAL
GC-FID **TESTED (0.024 %)**

Sample Prep

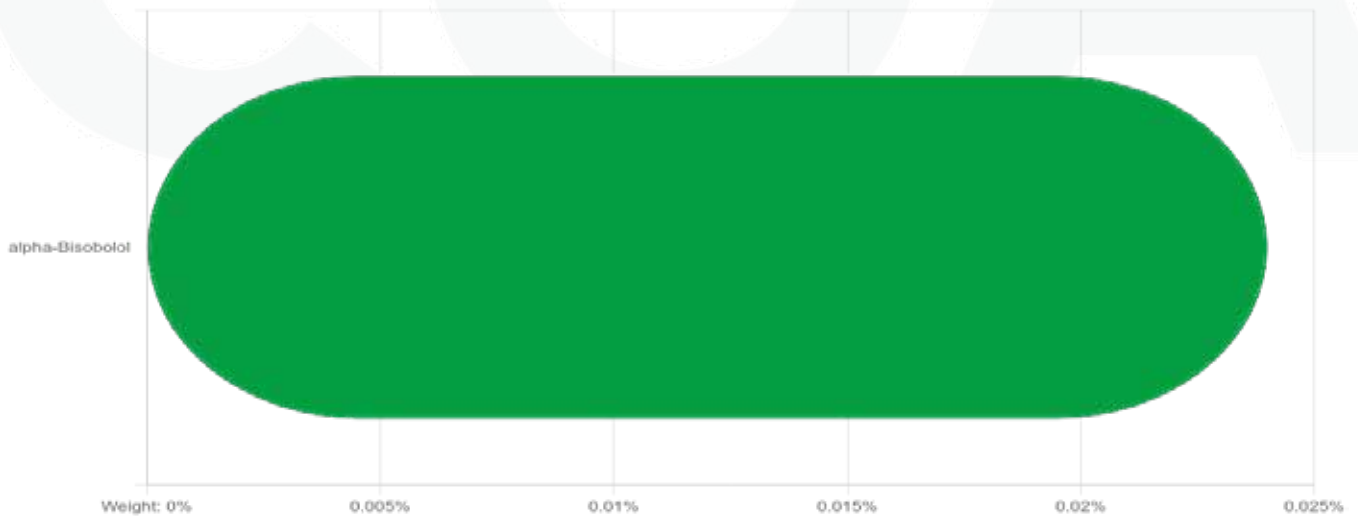
Tech: 3393
SOP: 421
Batch Number: 63343
Batch Date: 07/30/2024 16:47:46

Sample Analysis

Date/Time: 08/01/2024 12:55:57
Tech: 2816
SOP: 419
Final Weight: 0.3694 g
Volume: 10 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	ND	Geraniol	0.001/0.003	1	ND
alpha-Bisobolol	0.001/0.003	1	0.024	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	<LOQ
alpha-Humulene	0.001/0.003	1	ND	Hexahydrothymol	0.001/0.003	1	ND
alpha-Pinene	0.001/0.003	1	ND	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	ND	Isopulegol	0.001/0.003	1	ND
beta-Myrcene	0.001/0.003	1	ND	Limonene	0.001/0.003	1	ND
beta-Pinene	0.001/0.003	1	ND	Linalool	0.001/0.003	1	ND
Borneol	0.001/0.003	1	ND	Nerol	0.001/0.003	1	ND
Camphene	0.001/0.003	1	ND	p-Mentha-1,5-diene	0.001/0.003	1	ND
Camphor	0.001/0.003	1	<LOQ	Pulegone	0.001/0.003	1	ND
Caryophyllene oxide	0.001/0.003	1	ND	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	ND	Terpineol	0.001/0.003	1	ND
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	ND
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	ND
Eucalyptol	0.001/0.003	1	ND	trans-Nerolidol	0.001/0.003	1	ND
Fenchone	0.001/0.003	1	ND	trans-Ocimene	0.001/0.003	1	ND
Fenchyl alcohol	0.001/0.003	1	ND	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	ND				

Top Terpenes



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RESIDUAL SOLVENTS

HS-GC-MS

PASS

Sample Prep

Tech: 3445
SOP: 405
Batch Number: 63348
Batch Date: 07/31/2024 19:30:26

Sample Analysis

Date/Time: 08/01/2024 12:43:55
Tech: 2816
SOP: 405
Final Weight: 0.0493 g
Volume: 1 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)
1,1-Dichloroethene	0.6/0.63	1	8	ND	Heptane	6/140	1	5000	ND
1,2-Dichloroethane	0.012/0.12	1	2	ND	Hexanes	0.06/18	1	250	ND
Acetone	9/140	1	750	ND	Isopropyl alcohol	3/140	1	500	<LOQ
Acetonitrile	0.72/25	1	60	<LOQ	Methanol	6/100	1	250	ND
Benzene	0.06/1	1	1	ND	Methylene chloride	1.5/1.5	1	125	ND
Butane	48/50	1	5000	ND	Pentane	9/140	1	750	ND
Chloroform	0.2/1	1	2	ND	Propane	30/30	1	5000	ND
Ethanol	12/140	1	5000	<LOQ	Toluene	0.9/53	1	150	<LOQ
Ethyl acetate	2.4/140	1	400	ND	Total xylenes	1.8/130	1	150	ND
Ethyl ether	6/140	1	500	ND	Trichloroethylene	0.3/1	1	25	ND
Ethylene oxide	0.6/2	1	5	ND					

HEAVY METAL ANALYSIS

ICP-MS

PASS

Sample Prep

Tech: 3445
SOP: 428
Batch Number: 63349
Batch Date: 08/01/2024 11:08:02

Sample Analysis

Date/Time: 08/01/2024 17:17:56
Tech: 3445
SOP: 428
Final Weight: 0.2281 g
Volume: 60 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LIMIT (ppb)	RESULTS (ppb)
Arsenic	20/75	1	1500	<LOQ
Cadmium	20/75	1	500	ND
Lead	20/75	1	500	ND
Mercury	20/75	1	3000	ND

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 4481
SOP: 406

Batch Number: 63340
Batch Date: 07/30/2024 13:44:44

Date/Time: 08/01/2024 16:54:15
Tech: 4302
SOP: 406

Final Weight: 1.0287 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total aerobic count	qPCR	NA	NOT DETECTED	PASS

Sample Analysis

Sample Prep

Tech: 4481
SOP: 406

Batch Number: 63341
Batch Date: 07/30/2024 13:45:06

Date/Time: 07/31/2024 18:00:10
Tech: 4302
SOP: 406

Final Weight: 1.0024 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total yeast and mold	qPCR	NA	NOT DETECTED	PASS

Sample Analysis

Sample Prep

Tech: 4481
SOP: 406

Batch Number: 63339
Batch Date: 07/30/2024 13:44:20

Date/Time: 08/01/2024 16:55:44
Tech: 4302
SOP: 406

Final Weight: 1.0236 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Salmonella	qPCR	< 1 CFU/g	NOT DETECTED	PASS
STEC e. coli	qPCR	< 1 CFU/g	NOT DETECTED	PASS

Sample Analysis

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 4481
SOP: 406

Batch Number: 63339
Batch Date: 07/30/2024 13:44:20

Sample Analysis

Date/Time: 08/01/2024 16:55:44
Tech: 4302
SOP: 406

Final Weight: 1.0236 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Aspergillus flavus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus fumigatus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus niger	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus terreus	qPCR	< 1 CFU/g	NOT DETECTED	PASS

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