



Order #: 87813  
Retail Batch #:  
KP072024

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

### Order Information

Order #: 87813  
Order Name: Kanna Pharma 3000mg  
FSO~30ml  
Retail Batch #: KP072024  
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

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



**0.2976 %**  
Total THC

**10.7259 %**  
Total CBD

**11.5507 %**  
Total Cannabinoids

**Robert Miller PhD.**

Laboratory Director



**ACT Laboratories Florida**  
4001 SW 47th Avenue, Suite 208  
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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

<b>0.2976 %</b> Total THC	<b>2.812 mg</b> THC Per Unit	<b>84.370 mg</b> THC Per Pkg
<b>10.7259 %</b> Total CBD	<b>101.360 mg</b> CBD Per Unit	<b>3040.793 mg</b> CBD Per Pkg
<b>11.5507 %</b> Total Cannabinoids	<b>109.154 mg</b> Cannabinoids Per Unit	<b>3274.624 mg</b> Cannabinoids Per Pkg

**Cannabinoid Potency**

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBC	0.064/0.1954	26	0.0203	0.203	0.192	5.755	--	--
CBD	0.064/0.1954	26	10.7259	107.259	101.360	3040.793	3000	1.4
CBDA	0.064/0.1954	26	ND	ND	ND	ND	--	--
CBDV	0.064/0.1954	26	0.1249	1.249	1.180	35.409	--	--
CBG	0.064/0.1954	26	0.2315	2.315	2.188	65.630	--	--
CBGA	0.064/0.1954	26	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	26	0.1505	1.505	1.422	42.667	--	--
d8-THC	0.064/0.1954	26	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	26	0.2976	2.976	2.812	84.370	--	--
THCA	0.064/0.1954	26	ND	ND	ND	ND	--	--
THCV	0.064/0.1954	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	0.2976	2.976	2.812	84.370
Total CBD	10.7259	107.259	101.360	3040.793
Total Cannabinoids	11.5507	115.507	109.154	3274.624

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Laboratory Director



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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**

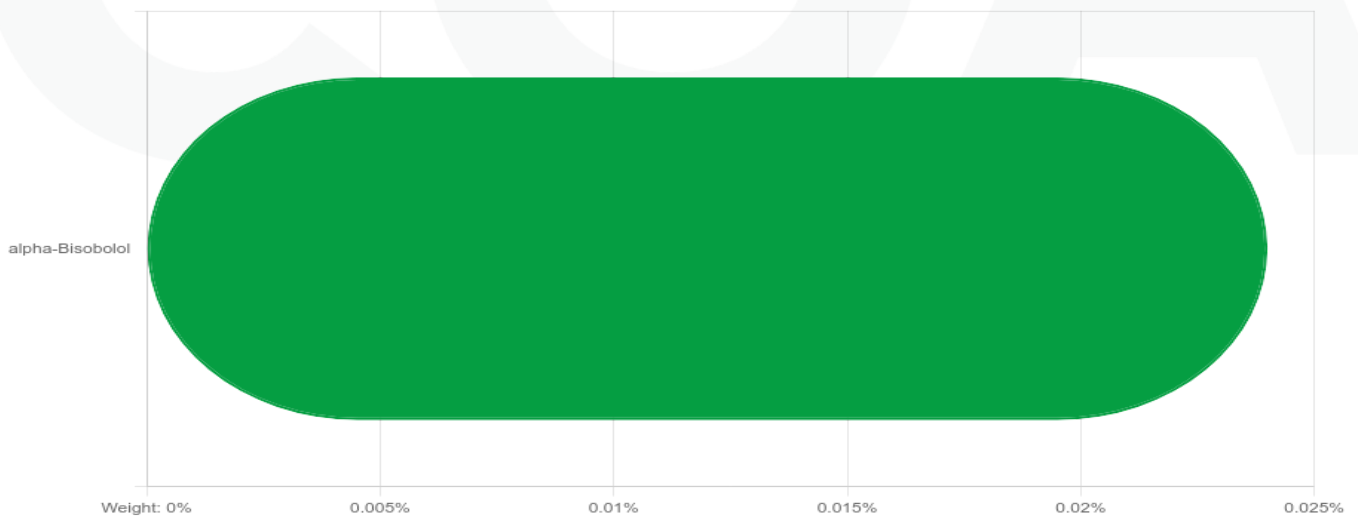
Tech: 3393  
SOP: 421  
Batch Number: 63343  
Batch Date: 07/30/2024 16:47:46

**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	Guaial	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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