

CERTIFICATE OF ANALYSIS



Order #: 28272
Order Name: 3500mg CBD
 tincture
Batch#: 1915A
Completed: 03/05/2019
Expires: 03/04/2020

REMQ
 3071 NW 107
 Doral FL, 33172
 (800) 674-3469
 support@physiciansgrade.com



Sample



0.000%
 D9-THC

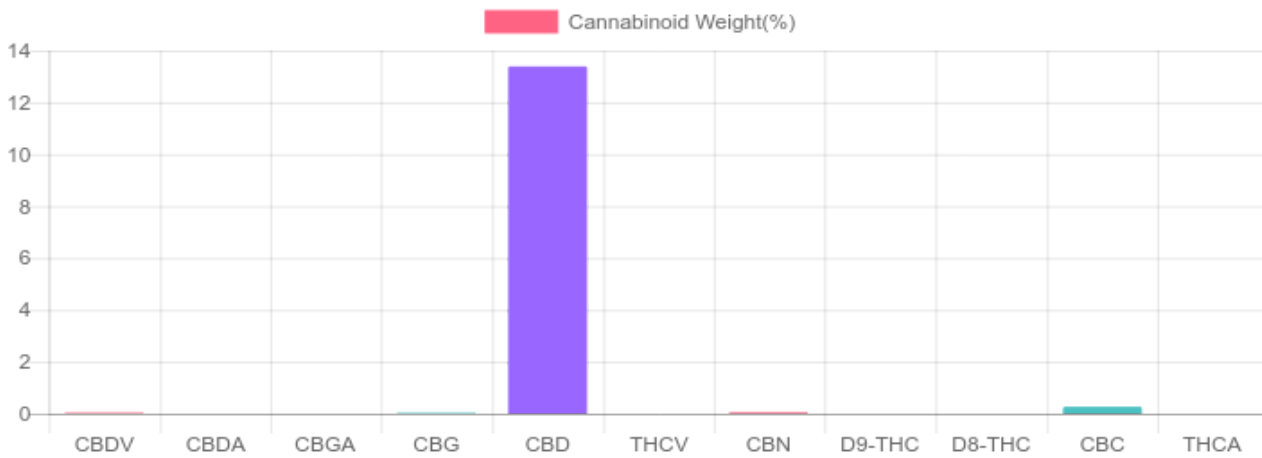
13.386%
 Total CBD

Cannabinoids Test

cannabinoids		weight(%)	mg/g
DELTA-9-TETRAHYDROCANNABINOL	D9-THC	N/D	N/D
TETRAHYDROCANNABINOLIC ACID	THCA	N/D	N/D
CANNABIDIOL	CBD	13.386%	133.864
CANNABIDIOLIC ACID	CBDA	N/D	N/D
CANNABIDIVARIN	CBDV	0.031%	0.313
CANNABICHROMENE	CBC	0.262%	2.622
CANNABINOL	CBN	0.051%	0.506
CANNABIGEROL	CBG	0.027%	0.268
CANNABIGEROLIC ACID	CBGA	N/D	N/D
DELTA-8-TETRAHYDROCANNABINOL	D8-THC	N/D	N/D
TETRAHYDROCANNABIVARIN	THCV	N/D	N/D

TOTAL CBD = CBD + CBDA X 0.877

TOTAL CBD **13.386%**
 TOTAL CANNABINOIDS **13.757%**



Notes

4016mg CBD per 30mL



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 Dylan Swart, Lab Director

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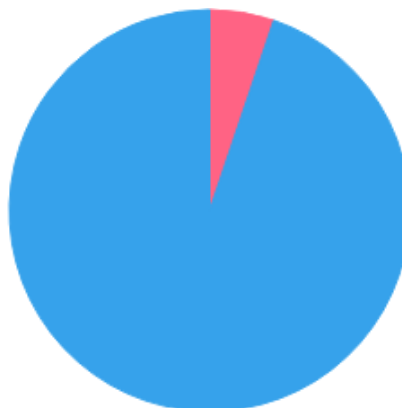


TERPENES: TOTAL (0.524%)

GC-Headspace - Shimadzu GCMS QP2020 with HS20

Terpene	Results (%)	Terpene	Results (%)
(1R)-ENDO-(+)-FENCHYL ALCOHOL	N/D	GAMMA-TERPINEOL	N/D
3-CARENE	N/D	GAMMA.-TERPINENE	N/D
ALPHA-BISABOLOL	N/D	GERANIOL	N/D
ALPHA-CEDRENE	N/D	GERANYL ACETATE	N/D
ALPHA-PINENE	N/D	GUAJOL	N/D
ALPHA-TERPINENE	N/D	HUMULENE	N/D
ALPHA.-PHELLANDRENE	N/D	ISOBORNEOL	N/D
BETA-MYRCENE	N/D	ISOPULEGOL	N/D
BETA-PINENE	N/D	LIMONENE	N/D
BORNEOL (MIX OF ISOMERS)	N/D	LINALOOL	N/D
CAMPHENE	N/D	MENTHOL	0.052%
CAMPHOR	N/D	NEROL	N/D
CAMPHOR (MIX OF ISOMERS)	N/D	PULEGONE	N/D
CARYOPHYLLENE	N/D	SABINENE	N/D
CARYOPHYLLENE OXIDE	N/D	SABINENE HYDRATE	N/D
CEDROL	N/D	TERPINEOL (MIX OF ISOMERS)	N/D
CIS-BETA-OCIMENE	N/D	TERPINOLENE	N/D
CIS-NEROLIDOL	N/D	TRANS-BETA-OCIMENE	N/D
EUCALYPTOL	N/D	TRANS-NEROLIDOL	N/D
FENCHONE	N/D	VALENCENE	N/D
FENCHONE (ISOMER)	N/D		

MENTHOL (0.052 %)
(0.948 %)



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PESTICIDE ANALYSIS:

GC QQQ - Shimadzu GCMS-TQ8040

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.003	0.001
ACEPHATE	0.100	N/D	0.003	0.001
ACEQUINOCYL	0.100	N/D	0.003	0.001
ACETAMIPRID	0.100	N/D	0.003	0.001
ALDICARB	0.100	N/D	0.003	0.001
AZOXYSTROBIN	0.100	N/D	0.003	0.001
BIFENAZATE	0.100	N/D	0.003	0.001
BIFENTHRIN	3.000	N/D	0.003	0.001
BOSCALID	0.100	N/D	0.003	0.001
CAPTAN	0.700	N/D	0.003	0.001
CARBARYL	0.500	N/D	0.003	0.001
CARBOFURAN	0.100	N/D	0.003	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.003	0.001
CHLORDANE	0.100	N/D	0.003	0.001
CHLORFENAPYR	0.100	N/D	0.003	0.001
CHLORPYRIFOS	0.100	N/D	0.003	0.001
CLOFENTEZINE	0.100	N/D	0.003	0.001
COUMAPHOS	0.100	N/D	0.003	0.001
CYFLUTHRIN	2.000	N/D	0.003	0.001
CYPERMETHRIN	1.000	N/D	0.003	0.001
DAMINOZIDE	0.100	N/D	0.003	0.001
DIAZINON	0.100	N/D	0.003	0.001
DICHLORVOS	0.100	N/D	0.003	0.001
DIMETHOATE	0.100	N/D	0.003	0.001
DIMETHOMORPH	2.000	N/D	0.003	0.001
ETHOPROPHOS	0.100	N/D	0.003	0.001
ETOFENPROX	0.100	N/D	0.003	0.001
ETOXAZOLE	0.100	N/D	0.003	0.001
FENHEXAMID	0.100	N/D	0.003	0.001
FENOXYCARB	0.100	N/D	0.003	0.001
FENPYROXIMATE	0.100	N/D	0.003	0.001
FIPRONIL	0.100	N/D	0.003	0.001
FLONICAMID	0.100	N/D	0.003	0.001

PESTICIDE ANALYSIS:

GC QQQ - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
FLUDIOXONIL	0.100	N/D	0.003	0.001
HEXYTHIAZOX	0.100	N/D	0.003	0.001
IMAZALIL	0.100	N/D	0.003	0.001
IMIDACLOPRID	5.000	N/D	0.003	0.001
KRESOXIM-METHYL	0.100	N/D	0.003	0.001
MALATHION	0.500	N/D	0.003	0.001
METALAXYL	2.000	N/D	0.003	0.001
METHIOCARB	0.100	N/D	0.003	0.001
METHOMYL	1.000	N/D	0.003	0.001
MEVINPHOS	0.100	N/D	0.003	0.001
MYCLOBUTANIL	0.100	N/D	0.003	0.001
NALED	0.100	N/D	0.003	0.001
OXAMYL	0.500	N/D	0.003	0.001
PACLOBUTRAZOL	0.100	N/D	0.003	0.001
PARATHION-METHYL	0.100	N/D	0.003	0.001
PENTACHLORONITROBENZENE	0.100	N/D	0.003	0.001
PERMETHRINS	0.500	N/D	0.003	0.001
PHOSMET	0.100	N/D	0.003	0.001
PIPERONYL BUTOXIDE	3.000	N/D	0.003	0.001
PRALLETHRIN	0.100	N/D	0.003	0.001
PROPICONAZOLE	0.100	N/D	0.003	0.001
PROPOXUR	0.100	N/D	0.003	0.001
PYRETHRINS (PYRETHRIN I)	0.500	N/D	0.003	0.001
PYRIDABEN	0.100	N/D	0.003	0.001
SPINETORAM	0.100	N/D	0.003	0.001
SPINOSAD	0.100	N/D	0.003	0.001
SPIROMESIFEN	0.100	N/D	0.003	0.001
SPIROTETRAMAT	0.100	N/D	0.003	0.001
SPIROXAMINE	0.100	N/D	0.003	0.001
TEBUCONAZOLE	0.100	N/D	0.003	0.001
THIACLOPRID	0.100	N/D	0.003	0.001
THIAMETHOXAM	5.000	N/D	0.003	0.001
TRIFLOXYSTROBIN	0.100	N/D	0.003	0.001

N/D = Not Detected, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level



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RESIDUAL SOLVENTS:

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Residual Solvent	Action Level (ppm)	Results (ppm)
ACETONE	5,000.000	N/D
ACETONITRILE	410.000	N/D
BENZENE	1.000	N/D
BUTANE	5,000.000	N/D
CHLOROFORM	1.000	N/D
DICHLOROETHANE	1.000	N/D
DICHLOROMETHANE	1.000	N/D
ETHANOL	5,000.000	N/D
ETHYL ACETATE	5,000.000	N/D
ETHYL ETHER	5,000.000	N/D
ISOPROPYL ALCOHOL	5,000.000	N/D
METHANOL	3,000.000	N/D
N-HEPTANE	5,000.000	N/D
N-HEXANE	290.000	N/D
PENTANE	5,000.000	3.110
PROPANE	5,000.000	N/D
TOLUENE	890.000	N/D
TRICHLOROETHANE	1.000	N/D
XYLENES	2,170.000	N/D



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Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060

Analyte	Action Lvl (ppb)	Results (ppb)
AFLATOXIN B1	20.000	N/D
AFLATOXIN B2	20.000	N/D
AFLATOXIN G1	20.000	N/D
AFLATOXIN G2	20.000	N/D
OCHRATOXIN A	20.000	N/D

Microbial Analysis:

PCR - Agilent AriaMX

Test	Pass/Fail	CFU
STEC E. COLI	PASS	
SALMONELLA	PASS	
ASPERGILLUS	PASS	
STAPHYLOCOCCUS	PASS	
YEAST AND MOLD	PASS	
TOTAL AEROBIC BACTERIA	PASS	
COLIFORM	PASS	
ENTEROBACTERIACEAE	PASS	

Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030

Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	200.000	BELOW LOQ
CADMIUM (CD)	200.000	BELOW LOQ
MERCURY (HG)	100.000	BELOW LOQ
LEAD (PB)	500.000	BELOW LOQ

*Lower Limit of Quantitation (LOQ) is 50 ppb

Filth and Foreign Materials Analysis:

Microscope - Amscope Simul-Focal Trinocular Stereo Zoom Microscope

No foreign materials detected.



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