

CERTIFICATE OF ANALYSIS



Order #: 28332
 Order Name: 0 THC Broad w/
 Terpenes
 Batch#: 020119BS
 Completed: 03/05/2019
 Expires: 03/04/2020

SunFlora Inc.



Sample



0.000%
D9-THC

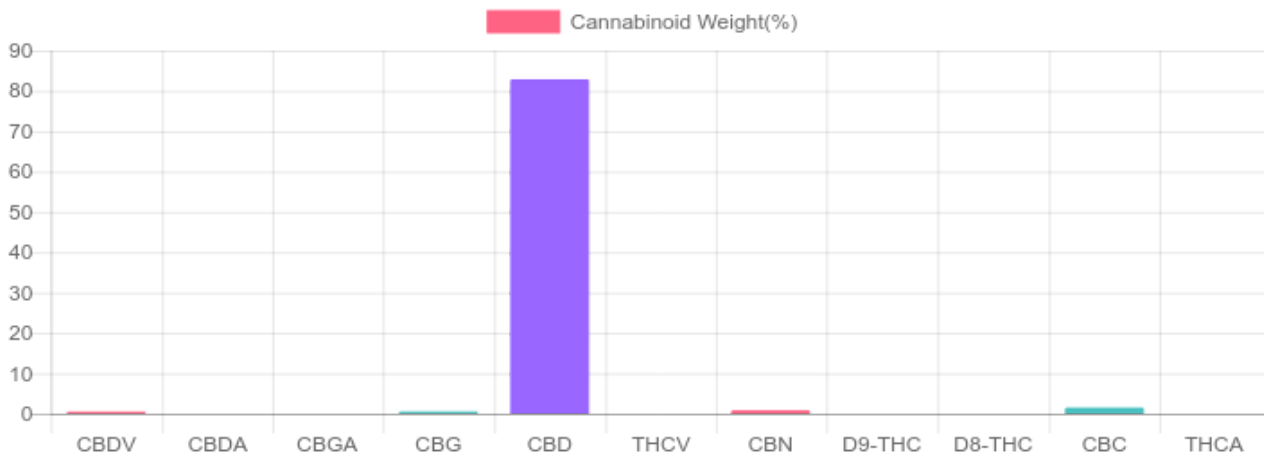
82.858%
Total CBD

Cannabinoids Test

cannabinoids		weight(%)	mg/g
DELTA-9-TETRAHYDROCANNABINOL	D9-THC	N/D	N/D
TETRAHYDROCANNABINOLIC ACID	THCA	N/D	N/D
CANNABIDIOL	CBD	82.858%	828.583
CANNABIDIOLIC ACID	CBDA	N/D	N/D
CANNABIDIVARIN	CBDV	0.526%	5.261
CANNABICHROMENE	CBC	1.515%	15.152
CANNABINOL	CBN	0.827%	8.270
CANNABIGEROL	CBG	0.567%	5.665
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 **82.858%**
 TOTAL CANNABINOIDS **86.293%**



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Dylan Swart
 Dylan Swart, Lab Director

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TERPENES: TOTAL (5.767%)

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	0.127%	GUAJOL	N/D
ALPHA-TERPINENE	N/D	HUMULENE	0.010%
ALPHA.-PHELLANDRENE	N/D	ISOBORNEOL	N/D
BETA-MYRCENE	0.115%	ISOPULEGOL	N/D
BETA-PINENE	N/D	LIMONENE	0.206%
BORNEOL (MIX OF ISOMERS)	N/D	LINALOOL	N/D
CAMPHENE	N/D	MENTHOL	0.006%
CAMPHOR	N/D	NEROL	N/D
CAMPHOR (MIX OF ISOMERS)	N/D	PULEGONE	N/D
CARYOPHYLLENE	0.091%	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	0.021%
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		

- LIMONENE (0.206 %)
- ALPHA-PINENE (0.127 %)
- BETA-MYRCENE (0.115 %)
- CARYOPHYLLENE (0.091 %)
- TERPINOLENE (0.021 %)
- HUMULENE (0.010 %)
- MENTHOL (0.006 %)
- (0.424 %)



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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
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
CHLORPYRIFOS	0.100	N/D	0.003	0.001
CLOFENTEZINE	0.100	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
FLUDIOXONIL	0.100	N/D	0.003	0.001
HEXYTHIAZOX	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)
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
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:

GC-Headspace - Shimadzu GCMS QP2020 with HS20

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	50.380
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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Microbial Analysis:

PCR - Agilent AriaMX

Test	Pass/Fail	CFU
STEC E. COLI	PASS	
SALMONELLA	PASS	
ASPERGILLUS	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



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