Certificate of Analysis Cover Page

Twin Arbor Analytical
3990 Ruth Way Suite D
Paso Robles, CA 93446
(805) 369-2123

TWIN ARBOR

PREPARED FOR:

Funky Farms
6401 Congress Ave, Suite 270
Boca Raton, FL 33487

Report Date	4/12/2022
Sample ID	CBD Lemon Cake
Batch / Lot	3242205

Results

Analysis		
Cannabinoids		
	Total CBD (%)	**41.2 %**
	Total THC	**PASS**
Pesticides and Mycotoxins		
	Result	**PASS**
Residual Solvents		
	Result	**PASS**
Heavy Metals		
	Result	**PASS**
Microbial		
	Result	**PASS**
Terpenes		
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Forrest Richmond
Laboratory Manager

NT = Not Tested

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PREPARED FOR:

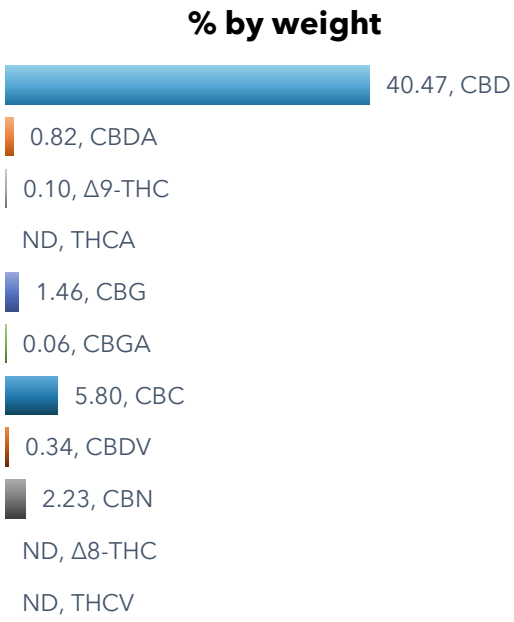
Funky Farms
6401 Congress Ave, Suite 270
Boca Raton, FL 33487

Report Date	4/8/2022
Sample ID	CBD Lemon Cake
Batch / Lot	3242205
Internal Sample ID	220328-216-2
Lab Batch ID	220406-1
Date of Analysis	4/6/2022

Analysis: Cannabinoids

Instrumentation: HPLC/DAD Intrument ID: HPLC 1 Method: TM0002 (Twin Arbor Analytical Proprietary)

	LOD / LOQ (mg/g)	mg/g	% by weight
CBD	0.23 / 0.69	404.7	40.47
CBDA	0.21 / 0.64	8.2	0.82
Total CBD *		**411.9**	**41.19**
Δ9-THC	0.21 / 0.64	1.0	0.10
THCA	0.21 / 0.64	ND	ND
Total THC *		**1.0**	**0.10**
CBG	0.21 / 0.64	14.6	1.46
CBGA	0.21 / 0.64	0.6	0.06
Total CBG *		**15.1**	**1.51**
CBC	0.21 / 0.64	58.0	5.80
CBDV	0.21 / 0.64	3.4	0.34
CBN	0.21 / 0.64	22.3	2.23
Δ8-THC	0.21 / 0.64	ND	ND
THCV	0.21 / 0.64	ND	ND
Total Tested Cannabinoids		**512.8**	**51.28**



Moisture Content: NT

ND = Not Detected NT = Not Tested

* Totals account for decarboxilation of the acid and equal *XXX + (XXXA * 0.877)*
For example: Total THC = Δ9-THC + (THCA * 0.877)

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Boca Raton, FL 33487

Report Date	4/12/2022
Sample ID	CBD Lemon Cake
Batch / Lot	3242205
Internal Sample ID	220328-216-2
Lab Batch ID	220408-3
Date of Analysis	4/8/2022

Analysis: Pesticides and Mycotoxins

Instrumentation: LC-Mass Spectrometer Intrument ID: LCMS 1 Method: TM0004 (Twin Arbor Analytical Proprietary)

Mycotoxins	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOD / LOQ (µg/g)
Aflatoxin B1	Pass	ND	0.02	0.000 / 0.001
Aflatoxin B2	Pass	ND	0.02	0.001 / 0.004
Aflatoxin G1	Pass	ND	0.02	0.000 / 0.001
Aflatoxin G2	Pass	ND	0.02	0.001 / 0.004
Ochratoxin A	Pass	ND	0.02	0.004 / 0.013

Category I	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOD / LOQ (µg/g)
Aldicarb	Pass	ND	ND	0.033 / 0.100
Carbofuran	Pass	ND	ND	0.033 / 0.100
Chlordane	Pass	ND	ND	0.100 / 0.300
Chlorfenapyr	Pass	ND	ND	0.033 / 0.100
Chlorpyrifos	Pass	ND	ND	0.033 / 0.100
Coumaphos	Pass	ND	ND	0.033 / 0.100
Daminozide	Pass	ND	ND	0.033 / 0.100
DDVP (Dichlorvos)	Pass	ND	ND	0.033 / 0.100
Dimethoate	Pass	ND	ND	0.033 / 0.100
Ethoprop(hos)	Pass	ND	ND	0.033 / 0.100
Etofenprox	Pass	ND	ND	0.033 / 0.100
Fenoxycarb	Pass	ND	ND	0.033 / 0.100
Fipronil	Pass	ND	ND	0.033 / 0.100
Imazalil	Pass	ND	ND	0.033 / 0.100
Methiocarb	Pass	ND	ND	0.033 / 0.100
Methyl parathion	Pass	ND	ND	0.033 / 0.100
Mevinphos	Pass	ND	ND	0.017 / 0.050
Paclobutrazol	Pass	ND	ND	0.033 / 0.100
Propoxur	Pass	ND	ND	0.033 / 0.100
Spiroxamine	Pass	ND	ND	0.033 / 0.100
Thiacloprid	Pass	ND	ND	0.033 / 0.100

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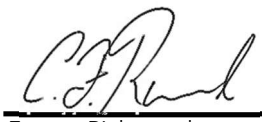
Analysis: Pesticides and Mycotoxins (continued)

Instrumentation: LC-Mass Spectrometer Intrument ID: LCMS 1 Method: TM0004 (Twin Arbor Analytical Proprietary)

Category II	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOD / LOQ (µg/g)
Abamectin	Pass	ND	0.10	0.017 / 0.050
Acephate	Pass	ND	0.10	0.017 / 0.050
Acequinocyl	Pass	ND	0.10	0.017 / 0.050
Acetamiprid	Pass	ND	0.10	0.017 / 0.050
Azoxystrobin	Pass	ND	0.10	0.017 / 0.050
Bifenazate	Pass	ND	0.10	0.017 / 0.050
Bifenthrin	Pass	ND	3.00	0.017 / 0.050
Boscalid	Pass	0.105	0.40	0.017 / 0.050
Captan	Pass	ND	0.70	0.033 / 0.100
Carbaryl	Pass	ND	0.50	0.017 / 0.050
Chlorantraniliprole	Pass	ND	10.00	0.017 / 0.050
Clofentezine	Pass	ND	0.10	0.017 / 0.050
Cyfluthrin	Pass	ND	2.00	0.033 / 0.100
Cypermethrin	Pass	ND	1.00	0.017 / 0.050
Diazinon	Pass	ND	0.10	0.017 / 0.050
Dimethomorph	Pass	ND	2.00	0.017 / 0.050
Etoxazole	Pass	ND	0.10	0.017 / 0.050
Fenhexamid	Pass	ND	0.10	0.017 / 0.050
Fenpyroximate	Pass	ND	0.10	0.017 / 0.050
Flonicamid	Pass	ND	0.10	0.017 / 0.050
Fludioxonil	Pass	ND	0.10	0.017 / 0.050
Hexythiazox	Pass	ND	0.10	0.017 / 0.050
Imidacloprid	Pass	ND	5.00	0.017 / 0.050
Kresoxim-methyl	Pass	ND	0.10	0.017 / 0.050
Malathion	Pass	ND	0.50	0.017 / 0.050
Metalaxyl	Pass	ND	2.00	0.017 / 0.050
Methomyl	Pass	ND	1.00	0.017 / 0.050
Myclobutanil	Pass	ND	0.10	0.017 / 0.050
Naled	Pass	ND	0.10	0.017 / 0.050
Oxamyl	Pass	ND	0.50	0.017 / 0.050
Pentachloronitrobenzene	Pass	ND	0.10	0.017 / 0.050
Permethrin	Pass	ND	0.50	0.017 / 0.050
Phosmet	Pass	ND	0.10	0.017 / 0.050
Piperonylbutoxide	Pass	ND	3.00	0.017 / 0.050
Prallethrin	Pass	ND	0.10	0.017 / 0.050
Propiconazole	Pass	ND	0.10	0.017 / 0.050
Pyrethrins	Pass	ND	0.50	0.017 / 0.050
Pyridaben	Pass	ND	0.10	0.017 / 0.050
Spinetoram	Pass	ND	0.10	0.017 / 0.050
Spinosad	Pass	ND	0.10	0.017 / 0.050
Spiromesifen	Pass	ND	0.10	0.017 / 0.050
Spirotetramat	Pass	ND	0.10	0.017 / 0.050
Tebuconazole	Pass	ND	0.10	0.017 / 0.050
Thiamethoxam	Pass	ND	5.00	0.017 / 0.050
Trifloxystrobin	Pass	ND	0.10	0.017 / 0.050

LOD = Limit of Detection
LOQ = Limit of Quantification
ND = Not Detected
NT = Not Tested



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Boca Raton, FL 33487

Report Date	4/12/2022
Sample ID	CBD Lemon Cake
Batch / Lot	3242205
Internal Sample ID	220328-216-2
Lab Batch ID	220331-1
Date of Analysis	4/5/2022

Analysis: Residual Solvents

Instrumentation: GC-MS Intrument ID: GCMS1 Method: TM0006 (Twin Arbor Analytical Proprietary)

	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOQ (µg/g)
1,2-Dichloroethane	PASS	< LOQ	1.0	0.41
Benzene	PASS	< LOQ	1.0	0.42
Chloroform	PASS	< LOQ	1.0	0.41
Ethylene oxide	PASS	< LOQ	1.0	0.42
Methylene chloride	PASS	< LOQ	1.0	0.4
Trichloroethylene	PASS	< LOQ	1.0	0.43
Acetone	PASS	< LOQ	5000	59.2
Acetonitrile	PASS	< LOQ	410	60.92
Butane	PASS	< LOQ	5000	39.64
Ethanol	PASS	< LOQ	5000	59.54
Ethyl acetate	PASS	< LOQ	5000	59.96
Ethyl ether	PASS	< LOQ	5000	59.1
Heptane	PASS	< LOQ	5000	59.24
Hexane	PASS	< LOQ	290	59.28
Isopropyl alcohol	PASS	< LOQ	5000	59.3
Methanol	PASS	< LOQ	3000	59.3
Pentane	PASS	< LOQ	5000	59.56
Propane	PASS	< LOQ	5000	40
Toluene	PASS	< LOQ	890	59.3
Total xylenes (ortho-, meta-, para-)	PASS	< LOQ	2170	59.2

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Report Date	4/12/2022
Sample ID	CBD Lemon Cake
Batch / Lot	3242205
Internal Sample ID	220328-216-2
Lab Batch ID	220407-2
Date of Analysis	4/7/2022

Analysis: Heavy Metals

Instrumentation: ICP-MS Intrument ID: ICPMS1 Method: TM0005 (Twin Arbor Analytical Proprietary)

	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOQ (µg/g)
Arsenic	PASS	< LOQ	0.2	0.013
Cadmium	PASS	< LOQ	0.2	0.013
Lead	PASS	< LOQ	0.5	0.013
Mercury	PASS	< LOQ	0.1	0.013

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LOQ = Limit of Quantiication

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Boca Raton, FL 33487

Report Date	4/12/2022
Sample ID	CBD Lemon Cake
Batch / Lot	3242205
Internal Sample ID	220328-216-2
Lab Batch ID	220328-216
Date of Analysis	3/29/2022

Analysis: Microbial Impurities

Instrumentation: RT-PCR Intrument ID: BAX1 Method: AOAC-RI 091301 (modified)

	Action Limit	Pass / Fail
STEC (Shiga-toxigenic E. coli)	ND	PASS
Salmonella sp.	ND	PASS
Pathogenic Aspergillus	ND	PASS

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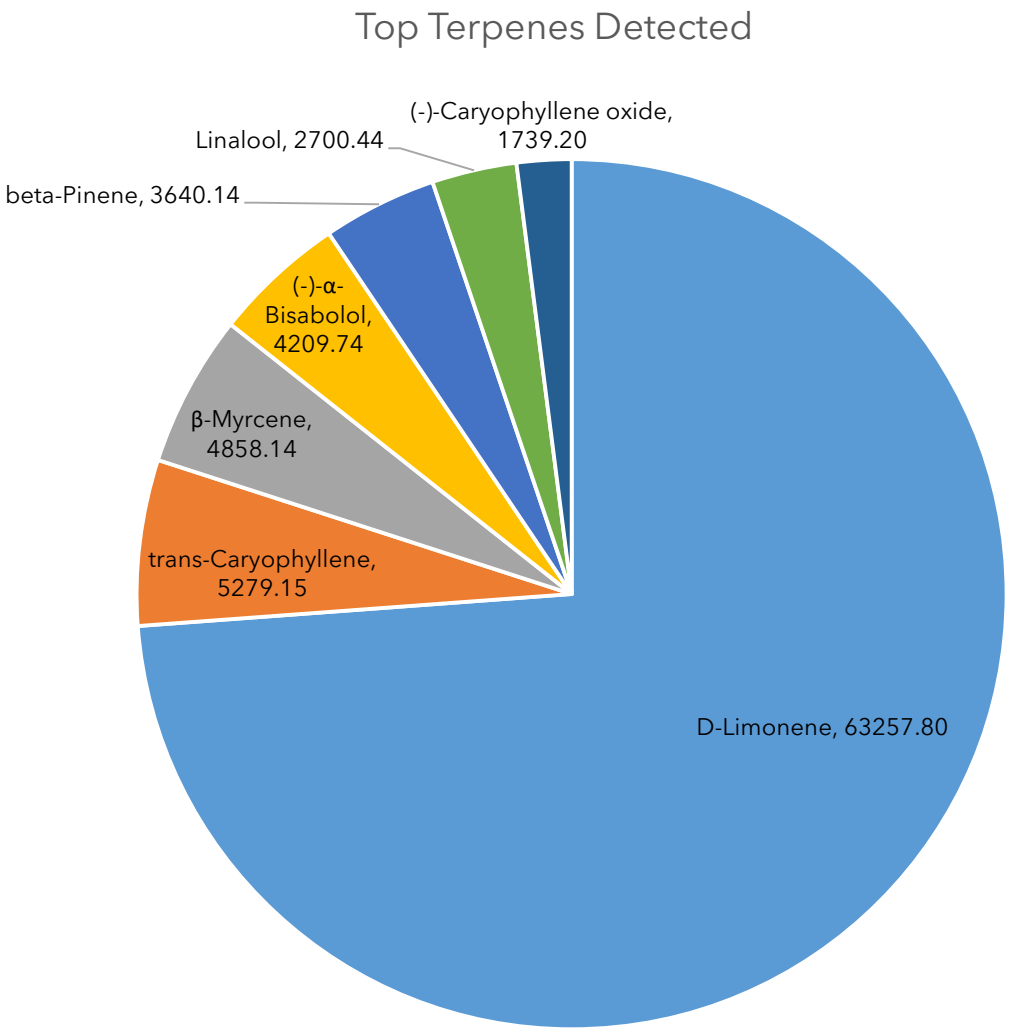
Report Date	4/12/2022
Sample ID	CBD Lemon Cake
Batch / Lot	3242205
Internal Sample ID	220328-216-2
Lab Batch ID	220331-2
Date of Analysis	4/6/2022

Analysis: Terpenes

Instrumentation: GC-MS Intrument ID: GCMS1 Method: TM0006 (Twin Arbor Analytical Proprietary)



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Analysis: Terpenes (continued)

	LOQ (µg/g)	Results (µg/g)
α-Pinene	0.34	937.04
Camphene	0.33	147.74
Sabinene	0.99	412.38
β-Myrcene	1.00	4858.14
beta-Pinene	0.33	3640.14
α-Phellandrene	1.00	187.73
(1S)-(+)-3-Cerene	0.99	50.99
α-Terpinene	0.33	28.78
D-Limonene	0.99	63257.80
Ocimene	0.79	231.52
Eucalyptol	1.00	96.99
γ-Terpinene	0.33	818.26
Terpinolene	0.99	97.01
Sabinene Hydrate	1.00	< LOQ
Linalool	1.00	2700.44
Fenchone	0.22	< LOQ
(1R)-endo-(+)-Fenchyl alcohol	0.33	373.58
(-)-Isopulegol	2.99	< LOQ
Camphor	0.33	< LOQ
Isoborneol	2.99	< LOQ
dl-Menthol	1.00	< LOQ
Borneol	0.22	< LOQ
α-Terpineol	0.81	537.22
γ-Terpineol	0.55	137.07
Nerol	2.99	< LOQ
Geraniol	8.94	< LOQ
(+)-Pulegone	0.99	< LOQ
Geranyl acetate	2.98	66.72
α-Cedrene	0.33	17.23
trans-Caryophyllene	3.00	5279.15
α-Humulene	0.33	989.10
α-Farnesene	26.94	< LOQ
Valencene	3.00	82.64
cis-Nerolidol	2.99	< LOQ
trans-Nerolidol	3.00	402.13
Guaiol	0.99	778.74
(-)-Caryophyllene oxide	8.98	1739.20
(+)-Cedrol	1.00	< LOQ
(-)-α-Bisabolol	2.99	4209.74

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