Certificate of Analysis

Total Health & Wellness dba True Harvest

Phoenix, AZ 85043
jpastor@trueharvestco.com

Lic. #00000100DCWU00857159
Harvest Dates:

Sample: 2402TLL0071.0369

Strain: Frosted Donuts x THCa
Parent Batch #: ; Batch#: 22FDxTHCa; Batch Size: 20 g
Sample Received: 02/26/2024; Report Created: 02/29/2024; Expires: 02/28/2025
Manufacturing Date:
Sampling: ; Environment:

Frosted Donuts x THCa

Concentrates & Extracts, Infused/Enhanced Preroll, Extraction Method: Ice/Water
Dispensary License #: ; Manufacturing License #: ; Cultivation License #:

Safety

Pass Pesticides	**Pass** Microbials	**Pass** Mycotoxins
Pass Solvents	**Pass** Metals	**Not Tested** Foreign Matter

Cannabinoids

TPL_Potency_01

44.24%	ND	51.12%
Total THC	Total CBD	Total Cannabinoids Q3

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.10	49.87	498.7	
Δ9-THC	0.10	0.51	5.1	
Δ8-THC	0.10	ND	ND	
THCV	0.10	ND	ND	
CBDa	0.10	ND	ND	
CBD	0.10	ND	ND	
CBDV	0.10	ND	ND	
CBN	0.10	ND	ND	
CBGa	0.10	0.74	7.4	
CBG	0.10	<LOQ	<LOQ	
CBC	0.10	ND	ND	
Total		**51.12**	**511.2**	

Total THC = THCa * 0.877 + Δ9-THC
Total CBD = CBDa * 0.877 + CBD
Instrument: HPLC-DAD: ; Method: TPL_Potency_01

Terpenes

TPL_Terpenes_01

Cinnamon	Lavender	Lemon

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
β-Caryophyllene		0.3030	3.030	Q3
Linalool		0.2690	2.690	Q3
δ-Limonene		0.2010	2.010	Q3
Guaiol		0.1950	1.950	Q3
Ocimene		0.1840	1.840	Q3
β-Myrcene		0.1740	1.740	Q3
α-Humulene		0.1630	1.630	Q3
β-Pinene		0.1490	1.490	Q3
Terpinolene		0.1480	1.480	Q3
γ-Terpinene		0.1330	1.330	Q3
trans-Nerolidol		0.1290	1.290	Q3
α-Pinene		0.0140	0.140	Q3
3-Carene		<	<	Q3
α-Bisabolol		<	<	Q3
α-Terpinene		<	<	Q3
Camphene		<	<	Q3
Caryophyllene Oxide		<	<	Q3
cis-Nerolidol		<	<	Q3
Eucalyptol		<	<	Q3
Geraniol		<	<	Q3
Isopulegol		<	<	Q3
p-Cymene		<	<	Q3
Total		**2.0620**	**20.620**	

Instrument: GCMS; Method: TPL_Terp_01
Notes:

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Laboratory Director

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Pesticides TPL_Pesticides_01

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Abamectin	0.24	0.50	ND	Pass	M1 L1 V1
Acephate	0.19	0.40	ND	Pass	
Acetamiprid	0.10	0.20	ND	Pass	
Aldicarb	0.19	0.40	ND	Pass	
Azoxystrobin	0.10	0.20	ND	Pass	
Bifenazate	0.10	0.20	ND	Pass	L1 V1
Bifenthrin	0.10	0.20	ND	Pass	L1 V1
Boscalid	0.19	0.40	ND	Pass	M2 L1
Carbaryl	0.10	0.20	ND	Pass	
Carbofuran	0.10	0.20	ND	Pass	M2
Chlorantraniliprole	0.10	0.20	ND	Pass	V1
Chlorfenapyr	0.48	1.00	ND	Pass	M2 V1
Chlorpyrifos	0.10	0.20	ND	Pass	M2
Clofentezine	0.10	0.20	ND	Pass	M2
Cyfluthrin	0.48	1.00	ND	Pass	M1 L1 V1
Cypermethrin	0.48	1.00	ND	Pass	M1 L2 V1
Daminozide	0.48	1.00	ND	Pass	
Diazinon	0.10	0.20	ND	Pass	
Dichlorvos	0.05	0.10	ND	Pass	
Dimethoate	0.10	0.20	ND	Pass	
Ethoprophos	0.10	0.20	ND	Pass	
Etofenprox	0.19	0.40	ND	Pass	L1 V1
Etoxazole	0.10	0.20	ND	Pass	
Fenoxycarb	0.10	0.20	ND	Pass	L1 V1
Fenpyroximate	0.19	0.40	ND	Pass	L1 V1
Fipronil	0.19	0.40	ND	Pass	
Flonicamid	0.48	1.00	ND	Pass	
Fludioxonil	0.19	0.40	ND	Pass	M2 L1 V1
Hexythiazox	0.48	1.00	ND	Pass	M2 L1 V1
Imazalil	0.10	0.20	ND	Pass	
Imidacloprid	0.19	0.40	ND	Pass	L1
Kresoxim Methyl	0.19	0.40	ND	Pass	
Malathion	0.10	0.20	ND	Pass	M2
Metalaxyl	0.10	0.20	ND	Pass	
Methiocarb	0.10	0.20	ND	Pass	M2 L1 V1
Methomyl	0.19	0.40	ND	Pass	
Myclobutanil	0.10	0.20	ND	Pass	L1 V1
Naled	0.24	0.50	ND	Pass	
Oxamyl	0.48	1.00	ND	Pass	
Paclobutrazol	0.19	0.40	ND	Pass	L1
Permethrin	0.10	0.20	ND	Pass	L1 V1
Phosmet	0.10	0.20	ND	Pass	
Piperonyl Butoxide	0.96	2.00	ND	Pass	
Prallethrin	0.10	0.20	ND	Pass	M1 L1 V1
Propiconazole	0.19	0.40	ND	Pass	L1
Propoxur	0.10	0.20	ND	Pass	
Pyrethrins	0.48	1.00	ND	Pass	L1 V1
Pyridaben	0.10	0.20	ND	Pass	M2 L1
Spinosad	0.10	0.20	ND	Pass	L1 V1
Spiromesifen	0.10	0.20	ND	Pass	V1
Spirotetramat	0.10	0.20	ND	Pass	M1 V1
Spiroxamine	0.19	0.40	ND	Pass	
Tebuconazole	0.19	0.40	ND	Pass	
Thiacloprid	0.10	0.20	ND	Pass	L1
Thiamethoxam	0.10	0.20	ND	Pass	L1
Trifloxystrobin	0.10	0.20	ND	Pass	M2

Instrument: LC-QQQ ; Method: TPL_Pesticides_01

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Heavy Metals — Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPB	PPB	PPB		
Arsenic	200.0	400.0	ND	Pass	
Cadmium	200.0	400.0	<LOQ	Pass	
Lead	500.0	1000.0	<LOQ	Pass	
Mercury	100.0	200.0	<LOQ	Pass	

Instrument: ICPMS; Method: AOAC 2021.03

Residual Solvents — Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Acetone	192.0	1000.0	ND	Pass	
Acetonitrile	79.0	410.0	ND	Pass	
Benzene	0.4	2.0	ND	Pass	
Butanes	481.0	5000.0	ND	Pass	
Chloroform	12.0	60.0	ND	Pass	
Dichloromethane	115.0	600.0	ND	Pass	
Ethanol	962.0	5000.0	ND	Pass	
Ethyl-Acetate	962.0	5000.0	ND	Pass	
Ethyl-Ether	962.0	5000.0	ND	Pass	
Heptane	962.0	5000.0	ND	Pass	
Hexanes	139.0	290.0	ND	Pass	
Isopropyl-Acetate	962.0	5000.0	ND	Pass	
Methanol	577.0	3000.0	<LOQ	Pass	
Pentanes	962.0	5000.0	ND	Pass	
2-Propanol	962.0	5000.0	ND	Pass	
Toluene	171.0	890.0	ND	Pass	
Xylenes	853.0	2170.0	ND	Pass	

Instrument: HS-GCMS

Microbials — Pass

Analyte	LOQ	Limit	Result	Status	Qualifier
	CFU/g	CFU/g	CFU/g		
E. Coli	10	100	<10	Pass	

Analyte	Limit	Result	Status	Qualifier
Salmonella	Detectable in 1g	Not Detected	Pass	
Aspergillus	Detectable in 1g	Not Detected	Pass	
Aspergillus fumigatus	Detectable in 1g	Not Detected	Pass	
Aspergillus niger	Detectable in 1g	Not Detected	Pass	
Aspergillus flavus	Detectable in 1g	Not Detected	Pass	
Aspergillus terreus	Detectable in 1g	Not Detected	Pass	

Instrument: qPCR/Plating; AOAC Methods 082102, 022202 and 2018.13

Mycotoxins — Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPB	PPB	PPB		
B1	8	20	ND	Pass	
B2	8	20	ND	Pass	
G1	8	20	ND	Pass	
G2	8	20	ND	Pass	
Ochratoxin A	8	20	ND	Pass	L1 V1 M1
Total Aflatoxins	8	20	ND	Pass	

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B1 = Target analyte detected in calibration blank was above LOQ but the concentration of cannabinoid was blow LOQ,

B2 = Target analyte detected in calibration blank was above LOQ but was below the maximum allowable concentration.

D1 = The limit of quantitation and the sample results were adjusted to reflect sample dilution,

I1 = The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance criteria with respect to the reference spectra, indicating interference,

L1 = The percent recovery of a laboratory control sample is greater than the acceptance limits in A.A.C 17 R9-17-404.03(K)(2)(C), but the sample's target analytes were not detected above the maximum allowed concentration,

M1 = The recovery from the matrix spike was high, but the recovery from the laboratory control sample was within acceptance criteria,

M2 = The recovery from the matrix spike was low, but the recovery from the laboratory control sample was within acceptance criteria,

M3 = The recovery from the matrix spike was unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample was within acceptance criteria,

M4 = The analysis of a spiked sample required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated laboratory control sample was within acceptance criteria,

M5 = The analyte concentration was determined by the method of standard addition, in which the standard is added directly to the aliquots of the analyzed sample,

N1 – A description of the variance is described in the final report of testing,

R1 = The relative percent difference for the laboratory control sample and duplicate exceeded the limit in A.A.C 17 R9-17-404.03(K)(3), but the recover in subsection A.A.C 17 R9-17-404.03 (K)(2) was within accepted criteria,

R2 = The relative percent difference for a sample and duplicated exceeded the limit in subsection A.A.C 17 R9-17-404.03 (O)

Q1 = Sample integrity was not maintained,

Q2 = The sample is heterogenous and sample homogeneity could not be readily achieved using routine laboratory practices

Q3 = Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317

V1 = The recovery from continuing calibration verification standards exceeded the acceptance limits denoted in A.C.C 17 R9-17-403.03(J)(1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.

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