Certificate of Analysis

Genesis Bioceuticals, LLC

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(847) 682-4899
Lic. #00000058DCQU00115543
Harvest Dates: 01/08/2024

Tropic Banana Shatter

Concentrates & Extracts, Shatter, Extraction Method: Butane
Dispensary License #: ; Manufacturing License #: ; Cultivation License #:

Sample: 2402TLL0062.0345

Strain: Tropic Banana
Parent Batch #: ; Batch#: G-0219-TB-S; Batch Size: 16 g
Sample Received: 02/20/2024; Report Created: 02/27/2024; Expires: 02/27/2025
Manufacturing Date: 02/19/2024
Sampling: ; Environment:

Safety

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

Cannabinoids

TPL_Potency_01

83.01%	0.09%	97.82%
Total THC	Total CBD	Total Cannabinoids
		Q3

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.10	93.12	931.2	
Δ9-THC	0.10	1.35	13.5	
Δ8-THC	0.10	ND	ND	
THCV	0.10	ND	ND	
CBDa	0.10	0.11	1.1	
CBD	0.10	ND	ND	
CBDV	0.10	ND	ND	
CBN	0.10	ND	ND	
CBGa	0.10	3.01	30.1	
CBG	0.10	0.24	2.4	
CBC	0.10	ND	ND	
Total		**97.82**	**978.2**	

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

Terpenes

TPL_Terpenes_01

Hops	Cinnamon	Lemon

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
α-Humulene		2.5200	25.200	Q3
β-Caryophyllene		2.1070	21.070	Q3
δ-Limonene		0.6410	6.410	Q3
Linalool		0.4210	4.210	Q3
Guaiol		0.3860	3.860	Q3
β-Myrcene		0.3450	3.450	Q3
β-Pinene		0.2360	2.360	Q3
Ocimene		0.2040	2.040	Q3
Terpinolene		0.1530	1.530	Q3
α-Bisabolol		0.1330	1.330	Q3
γ-Terpinene		0.1330	1.330	Q3
trans-Nerolidol		0.1220	1.220	Q3
Caryophyllene Oxide		0.0970	0.970	Q3
Eucalyptol		0.0900	0.900	Q3
α-Pinene		0.0710	0.710	Q3
Camphene		0.0240	0.240	Q3
3-Carene		<	<	Q3
α-Terpinene		<	<	Q3
cis-Nerolidol		<	<	Q3
Geraniol		<	<	Q3
Isopulegol		<	<	Q3
p-Cymene		<	<	Q3
Total		**7.6830**	**76.830**	

Instrument: GCMS; Method: TPL_Terp_01
Notes:

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

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	200.0	1000.0	ND	Pass	
Acetonitrile	82.0	410.0	ND	Pass	
Benzene	0.4	2.0	ND	Pass	
Butanes	499.0	5000.0	ND	Pass	
Chloroform	12.0	60.0	ND	Pass	
Dichloromethane	120.0	600.0	ND	Pass	
Ethanol	998.0	5000.0	ND	Pass	
Ethyl-Acetate	998.0	5000.0	ND	Pass	
Ethyl-Ether	998.0	5000.0	ND	Pass	
Heptane	998.0	5000.0	ND	Pass	
Hexanes	145.0	290.0	ND	Pass	
Isopropyl-Acetate	998.0	5000.0	ND	Pass	
Methanol	599.0	3000.0	ND	Pass	
Pentanes	998.0	5000.0	ND	Pass	
2-Propanol	998.0	5000.0	ND	Pass	
Toluene	178.0	890.0	ND	Pass	
Xylenes	866.0	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		20	ND	Pass	
B2		20	ND	Pass	
G1		20	ND	Pass	V1
G2		20	ND	Pass	L1 M1 V1
Ochratoxin A	10	20	ND	Pass	L1 M1 V1
Total Aflatoxins	10	20	ND	Pass	L1 M1 V1

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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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