Certificate of Analysis

Genesis Bioceuticals, LLC

1120 W Watkins St
Phoenix, AZ 85007
shonae.j@genbioaz.com
(847) 682-4899
Lic. #00000058DCQU00115543
Harvest Dates: 12/22/2023

Sample: 2401TLL0030.0185

Strain: Dirty Zkz
Parent Batch #: ; Batch#: G-0122-DZ; Batch Size: 16 g
Sample Received: 01/26/2024; Report Created: 01/31/2024; Expires: 01/31/2025
Manufacturing Date: 01/22/2024
Sampling: ; Environment:

Dirty Zkz Cured Resin Batter

Concentrates & Extracts, Batter/Badder, Extraction Method: Butane
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

78.70% Total THC	<LOQ Total CBD	92.58% Total Cannabinoids Q3

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.10	87.17	871.7	
Δ9-THC	0.10	2.26	22.6	
Δ8-THC	0.10	ND	ND	
THCV	0.10	ND	ND	
CBDa	0.10	<LOQ	<LOQ	
CBD	0.10	ND	ND	
CBDV	0.10	ND	ND	
CBN	0.10	ND	ND	
CBGa	0.10	3.16	31.6	
CBG	0.10	ND	ND	
CBC	0.10	ND	ND	
Total		**92.58**	**925.8**	

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	Orange

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
α-Humulene		2.72	27.2	Q3
β-Caryophyllene		2.27	22.7	Q3
trans-Nerolidol		1.72	17.2	Q3
δ-Limonene		0.84	8.4	Q3
β-Myrcene		0.28	2.8	Q3
β-Pinene		0.25	2.5	Q3
Ocimene		0.22	2.2	Q3
Linalool		0.16	1.6	Q3
Terpinolene		0.16	1.6	Q3
γ-Terpinene		0.13	1.3	Q3
α-Bisabolol		0.10	1.0	Q3
Eucalyptol		0.09	0.9	Q3
α-Pinene		0.07	0.7	Q3
Camphene		0.03	0.3	Q3
Caryophyllene Oxide		0.02	0.2	Q3
3-Carene		<	<	Q3
α-Terpinene		<	<	Q3
cis-Nerolidol		<	<	Q3
Geraniol		<	<	Q3
Guaiol		<	<	Q3
Isopulegol		<	<	Q3
p-Cymene		<	<	Q3
Total		**9.03**	**90.3**	

Instrument: GCMS; Method: TPL_Terp_01
Notes:

1721 E McDowell Road
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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	
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 R1
Bifenthrin	0.10	0.20	ND	Pass	
Boscalid	0.19	0.40	ND	Pass	
Carbaryl	0.10	0.20	ND	Pass	R1
Carbofuran	0.10	0.20	ND	Pass	
Chlorantraniliprole	0.10	0.20	ND	Pass	
Chlorfenapyr	0.48	1.00	ND	Pass	I1 M2 R1
Chlorpyrifos	0.10	0.20	ND	Pass	
Clofentezine	0.10	0.20	ND	Pass	
Cyfluthrin	0.48	1.00	ND	Pass	
Cypermethrin	0.48	1.00	ND	Pass	I1 M2
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	
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	R1

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Hexythiazox	0.48	1.00	ND	Pass	M2
Imazalil	0.10	0.20	ND	Pass	R1
Imidacloprid	0.19	0.40	ND	Pass	
Kresoxim Methyl	0.19	0.40	ND	Pass	R1
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	R1
Naled	0.24	0.50	ND	Pass	R1
Oxamyl	0.48	1.00	ND	Pass	R1
Paclobutrazol	0.19	0.40	ND	Pass	
Permethrin	0.10	0.20	ND	Pass	M2
Phosmet	0.10	0.20	ND	Pass	
Piperonyl Butoxide	0.97	2.00	ND	Pass	M2
Prallethrin	0.10	0.20	ND	Pass	
Propiconazole	0.19	0.40	ND	Pass	
Propoxur	0.10	0.20	ND	Pass	
Pyrethrins	0.41	1.00	ND	Pass	
Pyridaben	0.10	0.20	ND	Pass	M2
Spinosad	0.10	0.20	ND	Pass	M2 R1
Spiromesifen	0.10	0.20	ND	Pass	
Spirotetramat	0.10	0.20	ND	Pass	
Spiroxamine	0.19	0.40	ND	Pass	R1
Tebuconazole	0.19	0.40	ND	Pass	R1
Thiacloprid	0.10	0.20	ND	Pass	
Thiamethoxam	0.10	0.20	ND	Pass	R1
Trifloxystrobin	0.10	0.20	ND	Pass	

Instrument: LC-QQQ

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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	

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	500.0	5000.0	ND	Pass	
Chloroform	12.0	60.0	ND	Pass	
Dichloromethane	120.0	600.0	ND	Pass	
Ethanol	1000.0	5000.0	ND	Pass	
Ethyl-Acetate	1000.0	5000.0	ND	Pass	
Ethyl-Ether	1000.0	5000.0	ND	Pass	
Heptane	1000.0	5000.0	ND	Pass	
Hexanes	145.0	290.0	ND	Pass	
Isopropyl-Acetate	1000.0	5000.0	ND	Pass	
Methanol	6000.0	3000.0	ND	Pass	
Pentanes	1000.0	5000.0	ND	Pass	
2-Propanol	1000.0	5000.0	ND	Pass	
Toluene	178.0	890.0	ND	Pass	
Xylenes	868.0	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	10	20	ND	Pass	L1 V1
B2	10	20	ND	Pass	
G1	10	20	ND	Pass	R1
G2	5	20	ND	Pass	
Ochratoxin A	10	20	ND	Pass	I1 L1 M1 V1
Total Aflatoxins	1	20	ND	Pass	L1 R1 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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