Certificate of Analysis

Genesis Bioceuticals, LLC

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shonae.j@genbioaz.com
(847) 682-4899
Lic. #00000058DCQU00115543
Harvest Dates: 10/30/2023

Sample: 2402TLL0051.0298

Strain: Grape Illusion
Parent Batch #: ; Batch#: G-0207-GI; Batch Size: 16 g
Sample Received: 02/13/2024; Report Created: 02/19/2024; Expires: 02/19/2025
Manufacturing Date: 02/07/2024
Sampling: ; Environment:

Grape Illusion 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

83.71% Total THC	<LOQ Total CBD	95.55% Total Cannabinoids Q3

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.10	92.65	926.5	
Δ9-THC	0.10	2.46	24.6	
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	0.44	4.4	
CBG	0.10	ND	ND	
CBC	0.10	ND	ND	
Total		**95.55**	**955.5**	

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		2.4430	24.430	Q3
β-Caryophyllene		2.0000	20.000	Q3
trans-Nerolidol		0.6060	6.060	Q3
Ocimene		0.3610	3.610	Q3
δ-Limonene		0.3570	3.570	Q3
β-Pinene		0.1910	1.910	Q3
β-Myrcene		0.1810	1.810	Q3
Terpinolene		0.1510	1.510	Q3
γ-Terpinene		0.1330	1.330	Q3
Linalool		0.1260	1.260	Q3
Eucalyptol		0.0950	0.950	Q3
Caryophyllene Oxide		0.0910	0.910	Q3
cis-Nerolidol		0.0890	0.890	Q3
α-Pinene		0.0540	0.540	Q3
Camphene		0.0160	0.160	Q3
3-Carene		<	<	Q3
α-Bisabolol		<	<	Q3
α-Terpinene		<	<	Q3
Geraniol		<	<	Q3
Guaiol		<	<	Q3
Isopulegol		<	<	Q3
p-Cymene		<	<	Q3
Total		**6.8940**	**68.940**	

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	R1 M1
Acephate	0.19	0.40	ND	Pass	R1
Acetamiprid	0.10	0.20	ND	Pass	
Aldicarb	0.19	0.40	ND	Pass	R1 L1
Azoxystrobin	0.10	0.20	ND	Pass	R1 L1
Bifenazate	0.10	0.20	ND	Pass	
Bifenthrin	0.10	0.20	ND	Pass	R1
Boscalid	0.19	0.40	ND	Pass	R1
Carbaryl	0.10	0.20	ND	Pass	R1
Carbofuran	0.10	0.20	ND	Pass	R1
Chlorantraniliprole	0.10	0.20	ND	Pass	R1
Chlorfenapyr	0.48	1.00	ND	Pass	R1 M2
Chlorpyrifos	0.10	0.20	ND	Pass	R1
Clofentezine	0.10	0.20	ND	Pass	R1 L1
Cyfluthrin	0.48	1.00	ND	Pass	R1 L1
Cypermethrin	0.48	1.00	ND	Pass	R1 L1 M2
Daminozide	0.48	1.00	ND	Pass	R1 M2
Diazinon	0.10	0.20	ND	Pass	L1
Dichlorvos	0.05	0.10	ND	Pass	R1
Dimethoate	0.10	0.20	ND	Pass	R1
Ethoprophos	0.10	0.20	ND	Pass	R1 L1
Etofenprox	0.19	0.40	ND	Pass	R1 L1
Etoxazole	0.10	0.20	ND	Pass	R1
Fenoxycarb	0.10	0.20	ND	Pass	R1 L1
Fenpyroximate	0.19	0.40	ND	Pass	R1 L1
Fipronil	0.19	0.40	ND	Pass	R1
Flonicamid	0.48	1.00	ND	Pass	R1 L1
Fludioxonil	0.19	0.40	ND	Pass	R1

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Hexythiazox	0.48	1.00	ND	Pass	
Imazalil	0.10	0.20	ND	Pass	R1 L1
Imidacloprid	0.19	0.40	ND	Pass	R1
Kresoxim Methyl	0.19	0.40	ND	Pass	
Malathion	0.10	0.20	ND	Pass	R1
Metalaxyl	0.10	0.20	ND	Pass	R1 L1
Methiocarb	0.10	0.20	ND	Pass	L1
Methomyl	0.19	0.40	ND	Pass	R1
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	L1
Permethrin	0.10	0.20	ND	Pass	R1
Phosmet	0.10	0.20	ND	Pass	R1
Piperonyl Butoxide	0.96	2.00	ND	Pass	R1 L1
Prallethrin	0.10	0.20	ND	Pass	R1 L1
Propiconazole	0.19	0.40	ND	Pass	R1
Propoxur	0.10	0.20	ND	Pass	
Pyrethrins	0.48	1.00	ND	Pass	R1 L1
Pyridaben	0.10	0.20	ND	Pass	
Spinosad	0.10	0.20	ND	Pass	
Spiromesifen	0.10	0.20	ND	Pass	R1 L1
Spirotetramat	0.10	0.20	ND	Pass	R1 L1
Spiroxamine	0.19	0.40	ND	Pass	R1 L1
Tebuconazole	0.19	0.40	ND	Pass	R1 L1
Thiacloprid	0.10	0.20	ND	Pass	R1 L1
Thiamethoxam	0.10	0.20	ND	Pass	R1
Trifloxystrobin	0.10	0.20	ND	Pass	

Instrument: LC-QQQ ; Method: TPL_Pesticides_01

Brian DiMarco
Laboratory Director

The product associated with this COA has been tested by Transparent Labs using state validated testing methods, as required by The State of Arizona. Measurement uncertainty and decision rule information is available upon request. The test results on this COA are only valid for the sample submitted by the client and are not valid for samples or batches not mentioned on this Certificate of Analysis. Transparent Labs makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This COA shall not be reproduced except in full, except without the written approval of Transparent Labs. The required tests and associated limit values are referenced from The required tests and testing limits used within this COA conform to those specified in A.R.S Title 36, Chapter 28.2 and A.A.C Title 9 Chapter 17 Supp. 22-3. Using Marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

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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	M1
Lead	500.0	1000.0	<LOQ	Pass	M1
Mercury	100.0	200.0	<LOQ	Pass	

Residual Solvents — Pass

Instrument: ICPMS; Method: AOAC 2021.03

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Acetone	184.0	1000.0	ND	Pass	
Acetonitrile	76.0	410.0	ND	Pass	
Benzene	0.4	2.0	ND	Pass	
Butanes	460.0	5000.0	ND	Pass	
Chloroform	11.0	60.0	ND	Pass	
Dichloromethane	110.0	600.0	ND	Pass	
Ethanol	921.0	5000.0	ND	Pass	
Ethyl-Acetate	921.0	5000.0	ND	Pass	
Ethyl-Ether	921.0	5000.0	ND	Pass	
Heptane	921.0	5000.0	ND	Pass	
Hexanes	134.0	290.0	ND	Pass	
Isopropyl-Acetate	921.0	5000.0	ND	Pass	
Methanol	552.0	3000.0	ND	Pass	
Pentanes	921.0	5000.0	ND	Pass	
2-Propanol	921.0	5000.0	ND	Pass	
Toluene	164.0	890.0	ND	Pass	
Xylenes	799.0	2170.0	ND	Pass	

Instrument: HS-GCMS ; Method: TPL_ResSolv_01

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	
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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