Certificate of Analysis

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Genesis Bioceuticals, LLC

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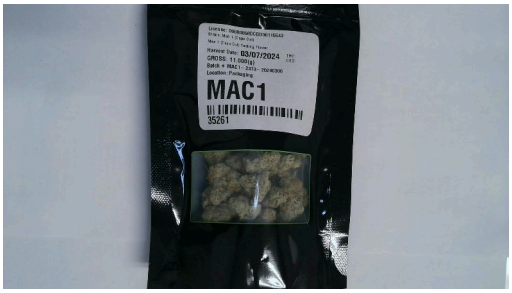
(847) 682-4899
Lic. #00000058DCQU00115543
Harvest Dates: 03/06/2024

Sample: 2403TLL0094.0487

Strain: Mac 1 (Caps Cut)
Parent Batch #: ; Batch#: MAC1-2373-20240306; Batch Size: 11 g
Sample Received: 03/18/2024; Report Created: 03/25/2024; Expires: 03/25/2025
Manufacturing Date:
Sampling: ; Environment:

Mac 1 (Caps Cut) Flower/Pre-Roll

Plant, Flower - Cured
Dispensary License #: ; Manufacturing License #: ; Cultivation License #:



Safety

Pesticides	Microbials	Metals
Pass	Pass	Pass

Cannabinoids

TPL_Potency_01

Total THC	Total CBD	Total Cannabinoids
24.90%	<LOQ	29.31%
		Q3

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.10	28.21	282.1	
Δ9-THC	0.10	0.16	1.6	
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	0.95	9.5	
CBG	0.10	<LOQ	<LOQ	
CBC	0.10	ND	ND	
Total		**29.31**	**293.1**	

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

Terpenes

TPL_Terpenes_01

Lemon	Earthy	Hops

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
δ-Limonene		0.4300	4.300	Q3
Ocimene		0.3900	3.900	Q3
α-Humulene		0.3300	3.300	Q3
β-Caryophyllene		0.3100	3.100	Q3
α-Pinene		0.2300	2.300	Q3
Linalool		0.2300	2.300	Q3
trans-Nerolidol		0.2300	2.300	Q3
β-Pinene		0.2000	2.000	Q3
β-Myrcene		0.1300	1.300	Q3
Terpinolene		0.0800	0.800	Q3
γ-Terpinene		0.0700	0.700	Q3
Eucalyptol		0.0400	0.400	Q3
Camphene		0.0200	0.200	Q3
3-Carene		<	<	Q3
α-Bisabolol		<	<	Q3
α-Terpinene		<	<	Q3
Caryophyllene Oxide		<	<	Q3
cis-Nerolidol		<	<	Q3
Geraniol		<	<	Q3
Guaiol		<	<	Q3
Isopulegol		<	<	Q3
p-Cymene		<	<	Q3
Total		**2.6900**	**26.900**	

Instrument: GCMS; Method: TPL_Terp_01
Notes:

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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	L1 R2 M1
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	M2
Bifenthrin	0.10	0.20	ND	Pass	
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	R1 M2
Chlorfenapyr	0.48	1.00	ND	Pass	
Chlorpyrifos	0.10	0.20	ND	Pass	
Clofentezine	0.10	0.20	ND	Pass	M1
Cyfluthrin	0.48	1.00	ND	Pass	M1
Cypermethrin	0.48	1.00	ND	Pass	R1 M1
Daminozide	0.48	1.00	ND	Pass	L1 M1
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	

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Hexythiazox	0.48	1.00	ND	Pass	
Imazalil	0.10	0.20	ND	Pass	
Imidacloprid	0.19	0.40	ND	Pass	
Kresoxim Methyl	0.19	0.40	ND	Pass	M2
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	M2
Phosmet	0.10	0.20	ND	Pass	
Piperonyl Butoxide	0.96	2.00	<LOQ	Pass	
Prallethrin	0.10	0.20	ND	Pass	R1 M1
Propiconazole	0.19	0.40	ND	Pass	
Propoxur	0.10	0.20	ND	Pass	
Pyrethrins	0.48	1.00	ND	Pass	
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	
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	L1 V1
Cadmium	200.0	400.0	<LOQ	Pass	L1 V1
Lead	500.0	1000.0	ND	Pass	L1 V1
Mercury	100.0	200.0	<LOQ	Pass	L1 V1

Instrument: ICPMS; Method: AOAC 2021.03

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

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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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