


Releaf Brands

8060 E 22nd St
Tucson, AZ 85710
hannatempesta@gmail.com
(650) 678-4037
Lic. #00000081DCPK00962019

Sample: 2403LVL0381.2139
Secondary License: 0000144ESQK21738687 ; Chain of Distribution: Desert Bloom ReLeaf Center, ReLeaf85624
Strain: Gorilla Glue #4; Batch#: 169 Gorilla Glue #4; Batch Size: 11 g
Sample Received: 03/15/2024; Report Created: 03/26/2024; Expires: 03/26/2025
Sampling Date: 03/14/2024; Sampling Time: 1; Sampling Person: Jess
Harvest Date: 02/29/2024; Manufacturing Date: 02/29/2024

169 Gorilla Glue #4
Plant, Flower - Cured, Indoor



	22.75%	ND	27.03%
	Total THC	Total CBD	
	13.43 mg/g	Complete NR	Total Cannabinoids
	Total Terpenes	Moisture	

Cannabinoids Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.164	25.586	255.86	
Δ9-THC	0.164	0.312	3.12	
Δ8-THC	0.164	ND	ND	Q3
THCVa	0.164	0.236	2.36	Q3
THCV	0.164	ND	ND	Q3
CBDa	0.164	ND	ND	
CBD	0.164	ND	ND	
CBDVa	0.164	ND	ND	Q3
CBDV	0.164	ND	ND	Q3
CBN	0.164	ND	ND	Q3
CBGa	0.164	0.463	4.63	Q3
CBG	0.164	<LOQ	<LOQ	Q3
CBCa	0.164	0.429	4.29	Q3
CBC	0.164	ND	ND	Q3
Total		27.027	270.27	Q3

Qualifiers:
Date Tested: 03/19/2024 07:00 am

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Cannabinoid potency performed by HPLC-DAD per SOP-(1608). ADHS approved method for potency by HPLC-DAD for all listed analytes.

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Terpenes

Analyte	LOQ	Mass	MassQualifier	Analyte	LOQ	Mass	MassQualifier		
	mg/g	mg/g	%		mg/g	mg/g	%		
β-Caryophyllene	0.21	4.90	0.490	Q3	Citronellol	1.07	ND	Q3	
δ-Limonene	0.21	3.62	0.362	Q3	Eucalyptol	0.11	ND	Q3	
β-Myrcene	0.11	1.24	0.124	Q3	Farnesene	0.02	ND	Q3	
α-Humulene	0.11	1.23	0.123	Q3	Fenchone	0.21	<LOQ	<LOQ	Q3
Fenchol	0.11	0.46	0.046	Q3	γ-Terpinene	0.11	<LOQ	<LOQ	Q3
α-Pinene	0.11	0.43	0.043	Q3	γ-Terpineol	0.02	ND	ND	Q3
α-Bisabolol	0.11	0.36	0.036	Q3	Geraniol	2.14	<LOQ	<LOQ	Q3
α-Terpineol	0.17	0.36	0.036	Q3	Geranyl Acetate	0.11	ND	ND	Q3
β-Pinene	0.21	0.36	0.036	Q3	Guaiol	0.11	ND	ND	Q3
Linalool	0.21	0.32	0.032	Q3	Isoborneol	1.07	ND	ND	Q3
Camphene	0.11	0.15	0.015	Q3	Isopulegol	0.11	ND	ND	Q3
3-Carene	0.21	ND	ND	Q3	Menthol	0.11	ND	ND	Q3
α-Cedrene	0.11	ND	ND	Q3	Nerol	0.11	ND	ND	Q3
α-Phellandrene	0.11	ND	ND	Q3	Pulegone	0.11	ND	ND	Q3
α-Terpinene	0.11	ND	ND	Q3	p-Cymene	0.11	ND	ND	Q3
β-Eudesmol	0.11	ND	ND	Q3	Sabinene	0.11	ND	ND	Q3
Borneol	0.32	<LOQ	<LOQ	Q3	Sabinene Hydrate	0.11	ND	ND	Q3
Camphor	0.43	ND	ND	Q3	Terpinolene	0.21	<LOQ	<LOQ	Q3
Caryophyllene Oxide	0.11	<LOQ	<LOQ	Q3	trans-Nerolidol	0.11	ND	ND	Q3
Cedrol	0.11	ND	ND	Q3	trans-Ocimene	0.07	ND	ND	Q3
cis-Nerolidol	0.21	ND	ND	Q3	Valencene	0.11	ND	ND	Q3
cis-Ocimene	0.03	ND	ND	Q3					


Primary Aromas




Cinnamon




Lemon



Hops



Basil



Pine

13.43 mg/g
Total Terpenes

Qualifiers:
Date Tested: 03/21/2024 12:00 am

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Qualifying code Q3: For informational purposes only.



Certificate of Analysis

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Pesticides

Pass

Analyte	LOQ	Limit	Units	Status	Qualifier	Analyte	LOQ	Limit	Units	Status	Qualifier
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.030	0.500	ND	Pass	M2	Hexythiazox	0.040	1.000	ND	Pass	
Acephate	0.040	0.400	ND	Pass		Imazalil	0.050	0.200	ND	Pass	
Acetamiprid	0.040	0.200	ND	Pass		Imidacloprid	0.050	0.400	ND	Pass	
Aldicarb	0.050	0.400	ND	Pass		Kresoxim Methyl	0.040	0.400	ND	Pass	
Azoxystrobin	0.050	0.200	ND	Pass		Malathion	0.050	0.200	ND	Pass	
Bifenazate	0.050	0.200	ND	Pass	M1	Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.050	0.200	ND	Pass	M2	Methiocarb	0.040	0.200	ND	Pass	
Boscalid	0.040	0.400	ND	Pass		Methomyl	0.050	0.400	ND	Pass	
Carbaryl	0.050	0.200	ND	Pass		Myclobutanil	0.050	0.200	ND	Pass	
Carbofuran	0.050	0.200	ND	Pass		Naled	0.050	0.500	ND	Pass	
Chlorantraniliprole	0.040	0.200	ND	Pass		Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.460	1.000	ND	Pass		Pacllobutrazol	0.050	0.400	ND	Pass	
Chlorpyrifos	0.050	0.200	ND	Pass		Permethrins	0.050	0.200	ND	Pass	M2
Clofentezine	0.050	0.200	ND	Pass	M2	Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.450	1.000	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cypermethrin	0.050	1.000	ND	Pass		Prallethrin	0.050	0.200	ND	Pass	
Daminozide	0.450	1.000	ND	Pass		Propiconazole	0.050	0.400	ND	Pass	M2
Dichlorvos (DDVP)	0.050	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	
Diazinon	0.050	0.200	ND	Pass		Pyrethrins	0.460	1.000	ND	Pass	
Dimethoate	0.050	0.200	ND	Pass		Pyridaben	0.050	0.200	ND	Pass	
Ethoprophos	0.050	0.200	ND	Pass		Spinosad	0.050	0.200	ND	Pass	M2
Etofenprox	0.050	0.400	ND	Pass	M2	Spiromesifen	0.050	0.200	ND	Pass	
Etoxazole	0.040	0.200	ND	Pass		Spirotetramat	0.050	0.200	ND	Pass	
Fenoxycarb	0.050	0.200	ND	Pass		Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.050	0.400	ND	Pass		Tebuconazole	0.050	0.400	ND	Pass	
Fipronil	0.040	0.400	ND	Pass		Thiacloprid	0.050	0.200	ND	Pass	
Flonicamid	0.050	1.000	ND	Pass		Thiamethoxam	0.050	0.200	ND	Pass	
Fludioxonil	0.040	0.400	ND	Pass		Trifloxystrobin	0.050	0.200	ND	Pass	

Herbicides

Analyte	LOQ	Limit	Units	Status
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Qualifiers:

Date Tested: 03/25/2024 07:00 am
Performed by LCMSMS per SOP-LM-021 and SOP-LM-022. ND = Not Detected; NR = Not Reported. Methods used per AZDHS R9-17-404.03 and pesticide limits set by AZDHS R9-17 Table 3.1. ADHS approved method for pesticide testing by LCMSMS for full list effective 5/1/2021.



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Matthew Schuberth
Laboratory Director

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Microbials

Pass

Analyte	Result	Result Units	Status	Qualifier
E. Coli	<10	CFU/G	Pass	
Salmonella	Not Detected	in one gram	Pass	
Aspergillus terreus	Not Detected	in one gram	Pass	
Aspergillus fumigatus, Aspergillus flavus, and Aspergillus niger	Not Detected	in one gram	Pass	



Qualifiers:
Date Tested: 03/19/2024 12:00 am

TNTC = Too Numerous to Count. The lower limit of quantification for E. coli is 10 CFU/g unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: E. coli plating via 3M Petrifilm per SOP-LM-019, Salmonella spp. And Aspergillus spp. detection by Bio-Rad CFX96 Deep Well real-time PCR per SOP-LM-016 & SOP-LM-017. Methods used per AZDHS R9-17-404.04 and microbial limits set by AZDHS R9-17 Table 3.1. ADHS approved method for microbials for all listed organisms.



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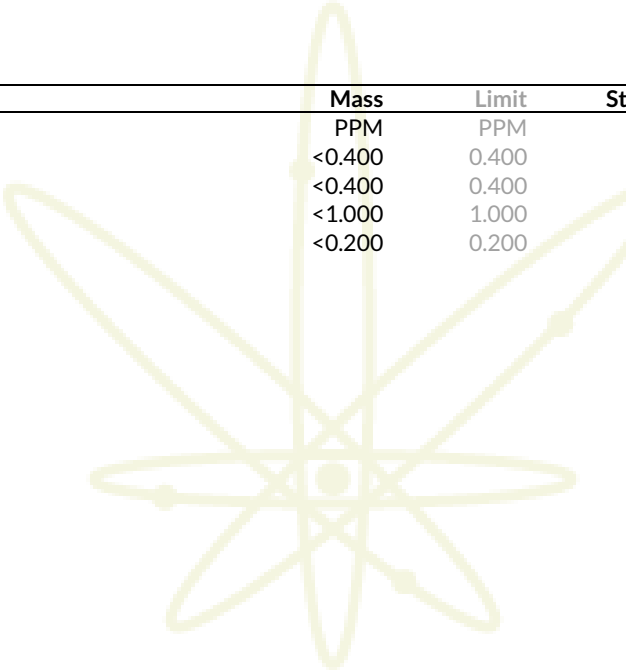
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Heavy Metals

Pass

Analyte	Mass PPM	Limit PPM	Status	Qualifier
Arsenic	<0.400	0.400	Pass	
Cadmium	<0.400	0.400	Pass	
Lead	<1.000	1.000	Pass	
Mercury	<0.200	0.200	Pass	



LEVEL ONE

Qualifiers:
Date Tested: 03/20/2024 07:00 am

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