

Releaf Brands

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


Sample: 2402LVL0250.1489

Secondary License: 0000144ESQK21738687 ; Chain of Distribution: Desert Bloom ReLeaf Center, ReLeaf85624
Strain: Hawaiian Birthday Kush; Batch#: 167 Hawaiian Birthday Kush; Batch Size: 11 g
Sample Received: 02/16/2024; Report Created: 02/22/2024; Expires: 02/22/2025
Sampling Date: 02/14/2024; Sampling Time: 2; Sampling Person: Jess
Harvest Date: 01/29/2024; Manufacturing Date: 01/29/2024

167 Hawaiian Birthday Kush

Plant, Flower - Cured, Indoor



	19.66%	ND	23.03%
	Total THC	Total CBD	
20.30 mg/g	Complete		
Total Terpenes	Moisture 5.1%		

Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.166	21.943	219.43	M1
Δ9-THC	0.166	0.415	4.15	
Δ8-THC	0.166	ND	ND	
THCVa	0.166	0.186	1.86	
THCV	0.166	ND	ND	
CBDa	0.166	ND	ND	
CBD	0.166	ND	ND	
CBDVa	0.166	ND	ND	
CBDV	0.166	ND	ND	
CBN	0.166	ND	ND	
CBGa	0.166	0.271	2.71	M1
CBG	0.166	<LOQ	<LOQ	
CBCa	0.166	0.210	2.10	Q3
CBC	0.166	ND	ND	
Total		23.025	230.25	

Qualifiers:
Date Tested: 02/16/2024 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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167 Hawaiian Birthday Kush


Plant, Flower - Cured, Indoor





Terpenes


Analyte	LOQ	Mass	MassQualifier	Analyte	LOQ	Mass	MassQualifier
	mg/g	mg/g	%		mg/g	mg/g	%
β-Myrcene	0.10	9.21	0.921	Citronellol	1.04	<LOQ	<LOQ
δ-Limonene	0.21	3.35	0.335	Eucalyptol	0.10	<LOQ	<LOQ
α-Pinene	0.10	2.72	0.272	Fenchone	0.21	<LOQ	<LOQ
Farnesene	0.02	1.18	0.118	γ-Terpinene	0.10	ND	ND
β-Caryophyllene	0.21	1.10	0.110	γ-Terpineol	0.02	ND	ND
β-Pinene	0.21	0.76	0.076	Geraniol	2.09	ND	ND
Fenchol	0.10	0.54	0.054	Geranyl Acetate	0.10	ND	ND
α-Humulene	0.10	0.49	0.049	Guaiol	0.10	ND	ND
cis-Ocimene	0.03	0.43	0.043	Isoborneol	1.04	ND	ND
α-Terpineol	0.17	0.34	0.034	Isopulegol	0.10	ND	ND
Camphene	0.10	0.18	0.018	Linalool	0.21	<LOQ	<LOQ
3-Carene	0.21	ND	ND	Menthol	0.10	ND	ND
α-Bisabolol	0.10	<LOQ	<LOQ	Nerol	0.10	ND	ND
α-Cedrene	0.10	ND	ND	Pulegone	0.10	ND	ND
α-Phellandrene	0.10	ND	ND	p-Cymene	0.10	ND	ND
α-Terpinene	0.10	ND	ND	Sabinene	0.10	ND	ND
β-Eudesmol	0.10	ND	ND	Sabinene Hydrate	0.10	ND	ND
Borneol	0.31	<LOQ	<LOQ	Terpinolene	0.21	<LOQ	<LOQ
Camphor	0.42	ND	ND	trans-Nerolidol	0.10	ND	ND
Caryophyllene Oxide	0.10	ND	ND	trans-Ocimene	0.07	ND	ND
Cedrol	0.10	ND	ND	Valencene	0.10	ND	ND
cis-Nerolidol	0.21	ND	ND				


Primary Aromas


Hops


Lemon


Pine


Magnolia


Cinnamon

20.30 mg/g
Total Terpenes

Qualifiers:
Date Tested: 02/19/2024 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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167 Hawaiian Birthday Kush

Plant, Flower - Cured, Indoor



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		Hexythiazox	0.040	1.000	ND	Pass	
Acephate	0.040	0.400	ND	Pass		Imazalil	0.040	0.200	ND	Pass	
Acetamiprid	0.040	0.200	ND	Pass		Imidacloprid	0.040	0.400	ND	Pass	
Aldicarb	0.040	0.400	ND	Pass		Kresoxim Methyl	0.040	0.400	ND	Pass	
Azoxystrobin	0.050	0.200	ND	Pass		Malathion	0.040	0.200	ND	Pass	
Bifenazate	0.040	0.200	ND	Pass	M1	Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.040	0.200	ND	Pass		Methiocarb	0.040	0.200	ND	Pass	
Boscalid	0.040	0.400	ND	Pass		Methomyl	0.040	0.400	ND	Pass	
Carbaryl	0.040	0.200	ND	Pass		Myclobutanil	0.050	0.200	ND	Pass	
Carbofuran	0.040	0.200	ND	Pass		Naled	0.040	0.500	ND	Pass	
Chlorantraniliprole	0.040	0.200	ND	Pass	L1 M1 V1	Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.450	1.000	ND	Pass	L1 V1	Paclobotrazol	0.040	0.400	ND	Pass	
Chlorpyrifos	0.040	0.200	ND	Pass		Permethrins	0.040	0.200	ND	Pass	M2 V1
Clofentezine	0.040	0.200	ND	Pass		Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.440	1.000	ND	Pass	V1	Piperonyl Butoxide	0.040	2.000	ND	Pass	M1
Cypermethrin	0.040	1.000	ND	Pass	M2	Prallethrin	0.040	0.200	ND	Pass	
Daminozide	0.440	1.000	ND	Pass		Propiconazole	0.040	0.400	ND	Pass	
Dichlorvos (DDVP)	0.040	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	
Diazinon	0.040	0.200	ND	Pass		Pyrethrins	0.450	1.000	ND	Pass	
Dimethoate	0.040	0.200	ND	Pass		Pyridaben	0.040	0.200	ND	Pass	
Ethoprophos	0.040	0.200	ND	Pass		Spinosad	0.040	0.200	ND	Pass	
Etofenprox	0.040	0.400	ND	Pass	M2	Spiromesifen	0.040	0.200	ND	Pass	
Etoxazole	0.040	0.200	ND	Pass		Spirotetramat	0.040	0.200	ND	Pass	
Fenoxycarb	0.040	0.200	ND	Pass		Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.040	0.400	ND	Pass		Tebuconazole	0.040	0.400	ND	Pass	
Fipronil	0.040	0.400	ND	Pass		Thiacloprid	0.040	0.200	ND	Pass	
Fonicamid	0.040	1.000	ND	Pass		Thiamethoxam	0.040	0.200	ND	Pass	
Fludioxonil	0.040	0.400	ND	Pass		Trifloxystrobin	0.040	0.200	ND	Pass	

Herbicides

Analyte	LOQ	Limit	Units	Status
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Qualifiers:

Date Tested: 02/20/2024 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.



1525 N Granite Reef Rd
Scottsdale, AZ
(480) 867-1520
http://www.levelonelabs.com
Lic# 00000004LCIG00024823

Matthew Schubert
Laboratory Director

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coa.support@confidentlims.com
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www.confidentlims.com





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Plant, Flower - Cured, Indoor



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: 02/19/2024 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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<http://www.levelonelabs.com>
Lic# 0000004LCIG00024823

Matthew Schuberth
Laboratory Director

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coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com



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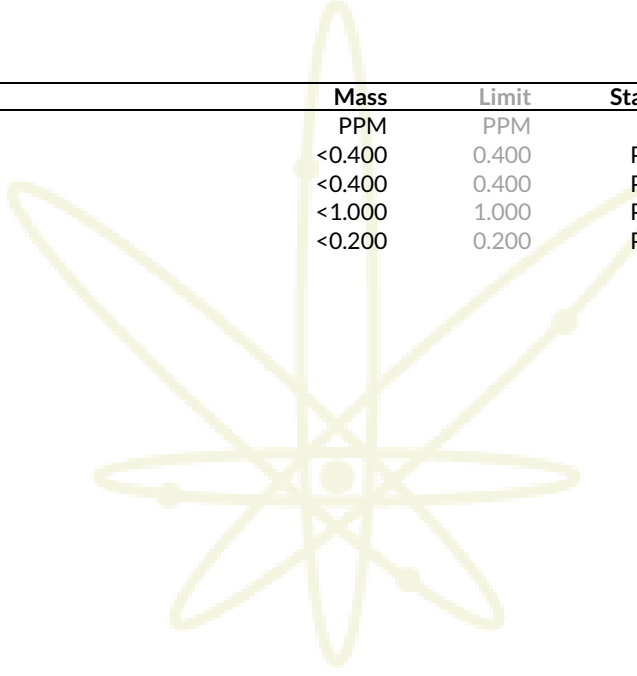
Plant, Flower - Cured, Indoor



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: 02/19/2024 07:00 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. Subcontracted through IAS. Approved for all analytes by ICP-OES. Inter Ag Services Inc. Registration Certificate Identification Number: 00000009LCSL00311854