

Releaf Brands

8060 E 22nd St
Tucson, AZ 85710
bturner@releafbrands.com
(520) 612-4303
Lic. #00000081DCPK00962019

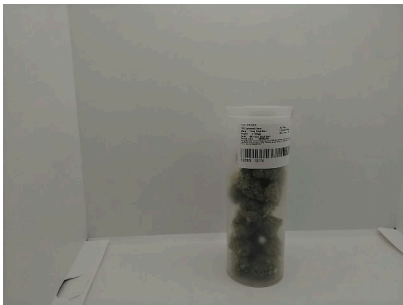
Sample: 2410LVL1336.6273

Secondary License: 00000144ESQK21738687; Chain of Distribution: Desert Bloom ReLeaf Center + ReLeaf 85624
Strain: Penny Royal Kush; Batch Size: 3115 g; External Batch ID: 183 Penny Royal Kush
Sample Received: 10/30/2024; Report Created: 11/05/2024; Report Expiration: 11/05/2025
Sampling Date: 10/25/2024; Sampling Time: 10:41 am; Sampling Person: Jess
Harvest Date: 09/30/2024; Manufacturing Date: 09/30/2024; External Lot ID: 00305 (125g)
Date of Pickup: Time Collected:

183 Penny Royal Kush

Plant, Flower - Cured, Indoor



	25.72%	<LOQ	30.73%
	Total THC	Total CBD	
	16.39 mg/g	Complete	Total Cannabinoids (Q3)
	Total Terpenes (Q3)	7.6% Moisture (Q3)	

Cannabinoids

Complete

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCa	0.16	28.57	285.7	
Δ9-THC	0.16	0.67	6.7	
Δ8-THC	0.16	ND	ND	Q3
THCVa	0.16	0.22	2.2	Q3
THCV	0.16	ND	ND	Q3
CBDa	0.16	<LOQ	<LOQ	
CBD	0.16	ND	ND	
CBDVa	0.16	<LOQ	<LOQ	Q3
CBDV	0.16	ND	ND	Q3
CBN	0.16	ND	ND	Q3
CBGa	0.16	0.80	8.0	Q3
CBG	0.16	<LOQ	<LOQ	Q3
CBCa	0.16	0.47	4.7	Q3
CBC	0.16	ND	ND	Q3
Total		30.73	307.3	Q3

Qualifiers:
Date Tested: 11/01/2024 12:00 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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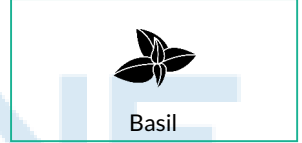
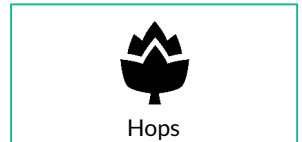
Plant, Flower - Cured, Indoor



Terpenes

Analyte	LOQ	Result	Result	Qualifier	Analyte	LOQ	Result	Result	Qualifier
	mg/g	mg/g	%			mg/g	mg/g	%	
β-Caryophyllene	0.19	3.81	0.381	Q3	cis-Ocimene	0.03	ND	ND	Q3
β-Myrcene	0.10	3.24	0.324	Q3	Citronellol	0.97	ND	ND	Q3
Farnesene	0.02	3.10	0.310	Q3	Eucalyptol	0.10	ND	ND	Q3
δ-Limonene	0.19	2.80	0.280	Q3	Fenchone	0.19	ND	ND	Q3
α-Humulene	0.10	1.19	0.119	Q3	γ-Terpinene	0.10	ND	ND	Q3
Fenchol	0.10	0.43	0.043	Q3	γ-Terpineol	0.02	ND	ND	Q3
Caryophyllene Oxide	0.10	0.33	0.033	Q3	Geraniol	1.94	ND	ND	Q3
α-Pinene	0.10	0.30	0.030	Q3	Geranyl Acetate	0.10	ND	ND	Q3
α-Terpineol	0.16	0.30	0.030	Q3	Guaiol	0.10	ND	ND	Q3
α-Bisabolol	0.10	0.27	0.027	Q3	Isoborneol	0.97	ND	ND	Q3
Linalool	0.19	0.27	0.027	Q3	Isopulegol	0.10	ND	ND	Q3
β-Pinene	0.19	0.25	0.025	Q3	Menthol	0.10	ND	ND	Q3
Camphene	0.10	0.10	0.010	Q3	Nerol	0.10	ND	ND	Q3
3-Carene	0.19	ND	ND	Q3	Pulegone	0.10	ND	ND	Q3
α-Cedrene	0.10	ND	ND	Q3	p-Cymene	0.10	ND	ND	Q3
α-Phellandrene	0.10	ND	ND	Q3	Sabinene	0.10	ND	ND	Q3
α-Terpinene	0.10	ND	ND	Q3	Sabinene Hydrate	0.10	ND	ND	Q3
β-Eudesmol	0.10	<LOQ	<LOQ	Q3	Terpinolene	0.19	ND	ND	Q3
Borneol	0.29	<LOQ	<LOQ	Q3	trans-Nerolidol	0.10	ND	ND	Q3
Camphor	0.39	ND	ND	Q3	trans-Ocimene	0.06	ND	ND	Q3
Cedrol	0.10	ND	ND	Q3	Valencene	0.10	ND	ND	Q3
cis-Nerolidol	0.19	ND	ND	Q3					

Primary Aromas



16.39 mg/g
Total Terpenes

Qualifiers:
Date Tested: 10/31/2024 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. Qualifying code Q3: For informational purposes only.

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183 Penny Royal 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	L1	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	0.040	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		Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.040	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	0.040	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		Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.450	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	
Clofentezine	0.040	0.200	ND	Pass		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	0.040	0.200	ND	Pass	
Daminozide	0.450	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	0.050	0.200	ND	Pass		Pyrethrins	0.450	1.000	ND	Pass	
Dimethoate	0.050	0.200	ND	Pass		Pyridaben	0.050	0.200	ND	Pass	
Ethoprophos	0.040	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	0.040	0.400	ND	Pass		Tebuconazole	0.050	0.400	ND	Pass	
Fipronil	0.040	0.400	ND	Pass	M1	Thiacloprid	0.040	0.200	ND	Pass	
Flonicamid	0.050	1.000	ND	Pass		Thiamethoxam	0.040	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: 11/01/2024 12:00 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.



Certificate of Analysis

Powered by Confident LIMS
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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: 11/01/2024 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.



1525 N Granite Reef Rd
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Matthew Schuberth
Laboratory Manager

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Heavy Metals

Pass

Analyte	Result	LOQ	Limit	Status	Qualifier
	PPM	PPM	PPM		
Arsenic	<0.102	0.102	0.400	Pass	V1
Cadmium	<0.102	0.102	0.400	Pass	V1
Lead	ND	0.102	1.000	Pass	V1
Mercury	ND	0.102	0.200	Pass	V1

LEVEL ONE

Qualifiers:
Date Tested: 11/05/2024 12:00 am

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