

Releaf Brands

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


Sample: 2311LVL1320.7067

Secondary License: ; Chain of Distribution: Desert Bloom ReLeaf Center, ReLeaf85624
Strain: 161 Garlic Cookies; Batch#: 161 Garlic Cookies; Batch Size: 11.88 g
Sample Received: 11/30/2023; Report Created: 01/26/2024; Expires: 01/26/2025
Sampling Date: 11/29/2023; Sampling Time: 6am; Sampling Person: Hanna
Harvest Date: 11/07/2023; Manufacturing Date: 11/07/2023

161 Garlic Cookies

Plant, Flower - Cured, Other
Lic#: 0000144ESQK21738687



	24.10%	ND	29.20%
	Total THC	Total CBD	
	20.81 mg/g	Complete 7.3%	Total Cannabinoids
	Total Terpenes	Moisture	

Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.169	26.984	269.84	
Δ9-THC	0.169	0.435	4.35	
Δ8-THC	0.169	ND	ND	M2
THCVa	0.169	0.210	2.10	
THCV	0.169	ND	ND	
CBDa	0.169	ND	ND	
CBD	0.169	ND	ND	
CBDVa	0.169	ND	ND	
CBDV	0.169	ND	ND	
CBN	0.169	ND	ND	
CBGa	0.169	1.255	12.55	
CBG	0.169	<LOQ	<LOQ	
CBCa	0.169	0.312	3.12	Q3
CBC	0.169	ND	ND	
Total		29.196	291.96	

Qualifiers:
Date Tested: 12/04/2023 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	%
δ-Limonene	0.20	6.95	0.695	Citronellol	0.99	ND	ND
β-Caryophyllene	0.20	6.22	0.622	Eucalyptol	0.10	ND	ND
α-Humulene	0.10	1.71	0.171	Farnesene	0.02	ND	ND
α-Bisabolol	0.10	1.06	0.106	Fenchone	0.20	<LOQ	<LOQ
β-Myrcene	0.10	0.98	0.098	γ-Terpinene	0.10	ND	ND
Linalool	0.20	0.96	0.096	γ-Terpineol	0.02	ND	ND
Fenchol	0.10	0.95	0.095	Geraniol	1.98	ND	ND
α-Terpineol	0.16	0.69	0.069	Geranyl Acetate	0.10	ND	ND
α-Pinene	0.10	0.59	0.059	Guaiol	0.10	ND	ND
β-Pinene	0.20	0.52	0.052	Isoborneol	0.99	ND	ND
Camphene	0.10	0.18	0.018	Isopulegol	0.10	ND	ND
3-Carene	0.20	ND	ND	Menthol	0.10	ND	ND
α-Cedrene	0.10	ND	ND	Nerol	0.10	ND	ND
α-Phellandrene	0.10	ND	ND	Pulegone	0.10	ND	ND
α-Terpinene	0.10	ND	ND	p-Cymene	0.10	ND	ND
β-Eudesmol	0.10	<LOQ	<LOQ	Sabinene	0.10	ND	ND
Borneol	0.30	<LOQ	<LOQ	Sabinene Hydrate	0.10	ND	ND
Camphor	0.40	ND	ND	Terpinolene	0.20	<LOQ	<LOQ
Caryophyllene Oxide	0.10	<LOQ	<LOQ	trans-Nerolidol	0.10	ND	ND
Cedrol	0.10	ND	ND	trans-Ocimene	0.07	<LOQ	<LOQ
cis-Nerolidol	0.20	ND	ND	Valencene	0.10	ND	ND
cis-Ocimene	0.03	ND	ND				


Primary Aromas


 Lemon


 Cinnamon


 Hops


 Chamomile


 Lavender

20.81 mg/g
Total Terpenes

Qualifiers:
Date Tested: 12/01/2023 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.



Certificate of Analysis

Powered by Confident LIMS
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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		Imazailil	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	0.040	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	0.040	0.400	ND	Pass	
Carbaryl	0.040	0.200	ND	Pass		Myclobutanil	0.040	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	0.440	1.000	ND	Pass		Paclobutrazol	0.040	0.400	ND	Pass	
Chlorpyrifos	0.040	0.200	ND	Pass		Permethrins	0.040	0.200	ND	Pass	M2
Clofentezine	0.040	0.200	ND	Pass		Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.430	1.000	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cypermethrin	0.040	1.000	ND	Pass	M1	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	0.040	0.200	ND	Pass	
Diazinon	0.040	0.200	ND	Pass		Pyrethrins	0.440	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	M2	Spinosad	0.040	0.200	ND	Pass	M2
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: 12/01/2023 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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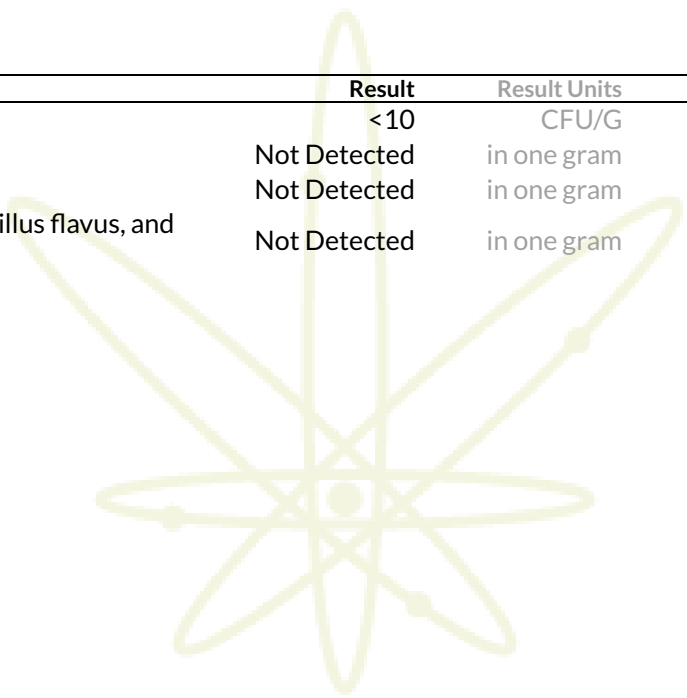
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Microbials

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	



LEVEL ONE

Qualifiers:
Date Tested: 12/05/2023 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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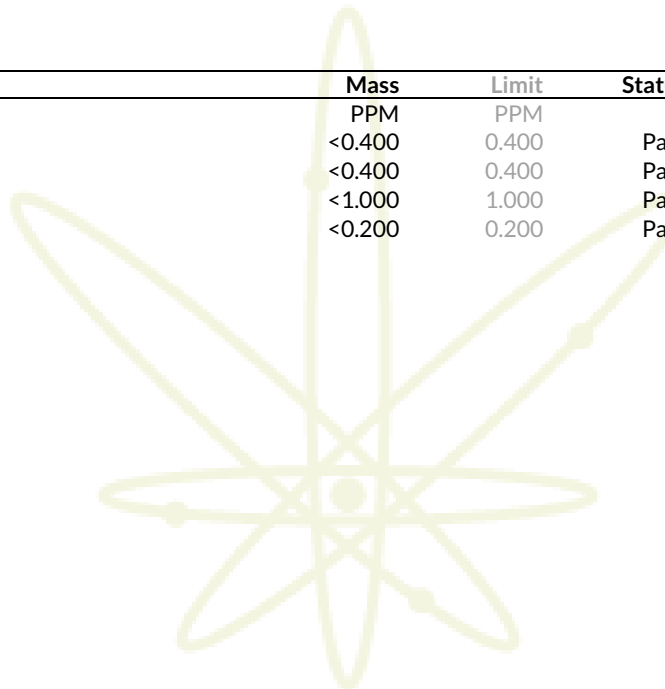
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Heavy Metals

Pass

Analyte	Mass	Limit	Status	Qualifier
	PPM	PPM		
Arsenic	<0.400	0.400	Pass	
Cadmium	<0.400	0.400	Pass	
Lead	<1.000	1.000	Pass	L1
Mercury	<0.200	0.200	Pass	L1



LEVEL ONE

Qualifiers:
Date Tested: 12/06/2023 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