

**Releaf Brands**


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

**Sample: 2404LVL0566.3142**

Secondary License: 0000144ESQK21738687 ; Chain of Distribution: Desert Bloom ReLeaf Center, ReLeaf85624  
Strain: GMO Punch; Batch Size: 11.9 g; External Batch ID: 170 GMO Punch  
Sample Received: 04/19/2024; Report Created: 04/26/2024; Report Expiration: 04/26/2025  
Sampling Date: 04/18/2024; Sampling Time: 12; Sampling Person: Jessica  
Harvest Date: 04/01/2024; Manufacturing Date: 04/01/2024; External Lot ID: 00274

**171 GMO Punch**  
Plant, Flower - Cured, Indoor



	<b>25.35%</b>	<b>ND</b>	<b>30.11%</b>
	Total THC	Total CBD	
	<b>23.21 mg/g</b>	<b>Complete</b> 9.5%	Total Cannabinoids
	Total Terpenes	Moisture	

**Cannabinoids**

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.154	28.189	281.89	
Δ9-THC	0.154	0.626	6.26	M1
Δ8-THC	0.154	ND	ND	
THCVa	0.154	<LOQ	<LOQ	
THCV	0.154	ND	ND	
CBDa	0.154	ND	ND	
CBD	0.154	ND	ND	
CBDVa	0.154	ND	ND	
CBDV	0.154	ND	ND	
CBN	0.154	ND	ND	
CBGa	0.154	0.772	7.72	M1
CBG	0.154	0.188	1.88	
CBCa	0.154	0.332	3.32	Q3
CBC	0.154	ND	ND	
<b>Total</b>		<b>30.107</b>	<b>301.07</b>	<b>Q3</b>

Qualifiers:  
Date Tested: 04/22/2024 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	%		
δ-Limonene	0.19	6.39	0.639	Q3	cis-Ocimene	0.03	ND	ND	Q3
β-Caryophyllene	0.19	6.06	0.606	Q3	Citronellol	0.95	<LOQ	<LOQ	Q3
β-Myrcene	0.10	4.55	0.455	Q3	Eucalyptol	0.10	ND	ND	Q3
α-Humulene	0.10	1.48	0.148	Q3	Farnesene	0.02	ND	ND	Q3
Guaiol	0.10	0.82	0.082	Q3	Fenchone	0.19	<LOQ	<LOQ	Q3
Fenchol	0.10	0.79	0.079	Q3	γ-Terpinene	0.10	ND	ND	Q3
β-Eudesmol	0.10	0.65	0.065	Q3	γ-Terpineol	0.02	ND	ND	Q3
α-Pinene	0.10	0.52	0.052	Q3	Geraniol	1.90	<LOQ	<LOQ	Q3
α-Terpineol	0.16	0.50	0.050	Q3	Geranyl Acetate	0.10	ND	ND	Q3
β-Pinene	0.19	0.45	0.045	Q3	Isoborneol	0.95	ND	ND	Q3
Linalool	0.19	0.45	0.045	Q3	Isopulegol	0.10	ND	ND	Q3
α-Bisabolol	0.10	0.38	0.038	Q3	Menthol	0.10	ND	ND	Q3
Camphene	0.10	0.17	0.017	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
Borneol	0.29	<LOQ	<LOQ	Q3	Terpinolene	0.19	<LOQ	<LOQ	Q3
Camphor	0.38	ND	ND	Q3	trans-Nerolidol	0.10	ND	ND	Q3
Caryophyllene Oxide	0.10	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**




Lemon




Cinnamon



Hops



Wood



Basil

**23.21 mg/g**  
Total Terpenes

Qualifiers:  
Date Tested: 04/23/2024 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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## 171 GMO Punch

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	0.050	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	M1	Malathion	0.040	0.200	ND	Pass	
Bifenazate	0.050	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	0.050	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	L1 M1 V1	Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.450	1.000	ND	Pass		Paclobotrazol	0.050	0.400	ND	Pass	
Chlorpyrifos	0.050	0.200	ND	Pass		Permethrins	0.050	0.200	ND	Pass	M2
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	<LOQ	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	
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		Thiacloprid	0.050	0.200	ND	Pass	
Fonicamid	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: 04/23/2024 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  
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Matthew Schubert  
Laboratory Manager

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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: 04/23/2024 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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## 171 GMO Punch

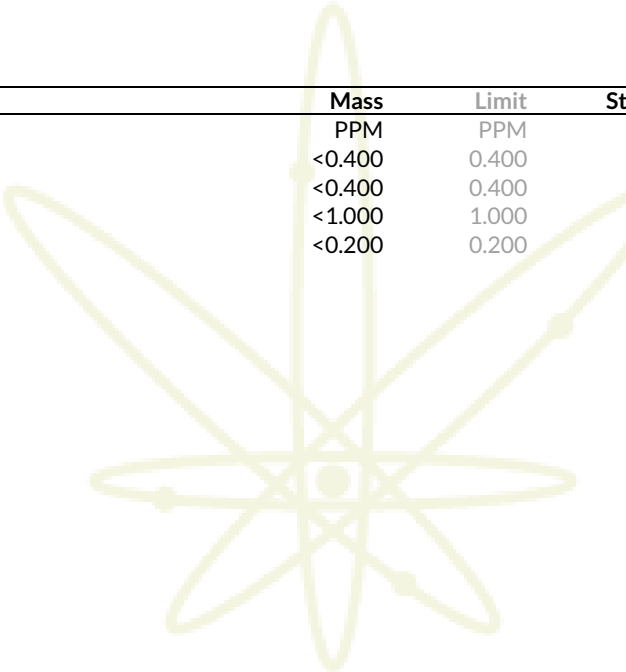
Plant, Flower - Cured, Indoor



## 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: 04/23/2024 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



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