

**Releaf Brands**

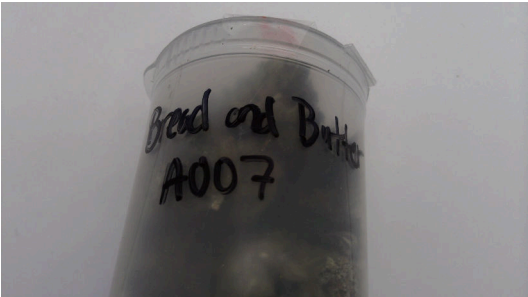
8060 E 22nd St  
Tucson, AZ 85710  
hannatempesta@gmail.com  
(650) 678-4037  
Lic. #00000081DCPK00962019

**Sample: 2401LVL0091.0563**

Secondary License: 00000144ESQK21738687; Chain of Distribution: Desert Bloom Releaf Center, Releaf85624  
Strain: Bread and Butter; Batch#: A007 Bread and Butter; Batch Size: 12 g  
Sample Received: 01/22/2024; Report Created: 01/26/2024; Expires: 01/26/2025  
Sampling Date: 01/15/2024; Sampling Time: 10; Sampling Person: Jessica  
Harvest Date: 01/04/2024; Manufacturing Date: 01/04/2024

**A007 Bread and Butter**  
Plant, Flower - Cured, Outdoor



	<b>16.90%</b>	<b>&lt;LOQ</b>	<b>20.12%</b>
	Total THC	Total CBD	
	<b>4.62 mg/g</b>	<b>Complete</b> 3.6%	Total Cannabinoids
	Total Terpenes	Moisture	

**Cannabinoids**

Complete

Analyte	LOQ %	Mass %	Mass mg/g	Qualifier
THCa	0.153	16.467	164.67	
Δ9-THC	0.153	2.460	24.60	
Δ8-THC	0.153	ND	ND	
THCVa	0.153	<LOQ	<LOQ	
THCV	0.153	ND	ND	
CBDa	0.153	<LOQ	<LOQ	
CBD	0.153	ND	ND	
CBDVa	0.153	ND	ND	
CBDV	0.153	ND	ND	
CBN	0.153	<LOQ	<LOQ	
CBGa	0.153	0.662	6.62	
CBG	0.153	<LOQ	<LOQ	
CBCa	0.153	0.530	5.30	Q3
CBC	0.153	<LOQ	<LOQ	
<b>Total</b>		<b>20.119</b>	<b>201.19</b>	

Qualifiers:  
Date Tested: 01/23/2024 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	2.67	0.267	Eucalyptol	0.10	ND	ND
α-Bisabolol	0.10	0.72	0.072	Farnesene	0.02	ND	ND
α-Humulene	0.10	0.60	0.060	Fenchone	0.21	ND	ND
δ-Limonene	0.21	0.32	0.032	γ-Terpinene	0.10	ND	ND
Fenchol	0.10	0.17	0.017	γ-Terpineol	0.02	ND	ND
α-Pinene	0.10	0.14	0.014	Geraniol	2.07	ND	ND
3-Carene	0.21	ND	ND	Geranyl Acetate	0.10	ND	ND
α-Cedrene	0.10	ND	ND	Guaiol	0.10	ND	ND
α-Phellandrene	0.10	ND	ND	Isoborneol	1.03	ND	ND
α-Terpinene	0.10	ND	ND	Isopulegol	0.10	ND	ND
α-Terpineol	0.17	<LOQ	<LOQ	Linalool	0.21	ND	ND
β-Eudesmol	0.10	ND	ND	Menthol	0.10	ND	ND
β-Myrcene	0.10	ND	ND	Nerol	0.10	ND	ND
β-Pinene	0.21	<LOQ	<LOQ	Pulegone	0.10	ND	ND
Borneol	0.31	ND	ND	p-Cymene	0.10	ND	ND
Camphene	0.10	<LOQ	<LOQ	Sabinene	0.10	ND	ND
Camphor	0.41	ND	ND	Sabinene Hydrate	0.10	ND	ND
Caryophyllene Oxide	0.10	<LOQ	<LOQ	Terpinolene	0.21	ND	ND
Cedrol	0.10	ND	ND	trans-Nerolidol	0.10	ND	ND
cis-Nerolidol	0.21	ND	ND	trans-Ocimene	0.07	ND	ND
cis-Ocimene	0.03	ND	ND	Valencene	0.10	ND	ND
Citronellol	1.03	ND	ND				


**Primary Aromas**

  
**Cinnamon**

  
**Chamomile**

  
**Hops**

  
**Lemon**

  
**Basil**

**4.62 mg/g**  
Total Terpenes

Qualifiers:  
Date Tested: 01/23/2024 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. Qualifying code Q3: For informational purposes only.



# Certificate of Analysis

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## A007 Bread and Butter

Plant, Flower - Cured, Outdoor



## 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		Imazailil	0.040	0.200	ND	Pass	
Acetamiprid	0.040	0.200	ND	Pass	M1	Imidacloprid	0.040	0.400	ND	Pass	
Aldicarb	0.040	0.400	ND	Pass	M1	Kresoxim Methyl	0.040	0.400	ND	Pass	
Azoxystrobin	0.040	0.200	ND	Pass	M1	Malathion	0.040	0.200	ND	Pass	M1
Bifenazate	0.040	0.200	ND	Pass	M1	Metalaxyl	0.040	0.200	ND	Pass	M1
Bifenthrin	0.040	0.200	ND	Pass	M1	Methiocarb	0.040	0.200	ND	Pass	M1
Boscalid	0.040	0.400	ND	Pass	M1	Methomyl	0.040	0.400	ND	Pass	
Carbaryl	0.040	0.200	ND	Pass		Myclobutanil	0.040	0.200	ND	Pass	M1
Carbofuran	0.040	0.200	ND	Pass		Naled	0.040	0.500	ND	Pass	M1
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	M1
Chlorpyrifos	0.040	0.200	ND	Pass	M1	Permethrins	0.040	0.200	ND	Pass	M1 M2 V1
Clofentezine	0.040	0.200	ND	Pass		Phosmet	0.040	0.200	ND	Pass	M1
Cyfluthrin	0.430	1.000	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cypermethrin	0.040	1.000	ND	Pass		Prallethrin	0.040	0.200	ND	Pass	
Daminozide	0.440	1.000	ND	Pass		Propiconazole	0.040	0.400	ND	Pass	M1
Dichlorvos (DDVP)	0.040	0.100	ND	Pass	M1	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		Spinosad	0.040	0.200	ND	Pass	
Etofenprox	0.040	0.400	ND	Pass		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	M1
Fenpyroximate	0.040	0.400	ND	Pass	M1	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	M1

## Herbicides

Analyte	LOQ	Limit	Units	Status
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### Qualifiers:

Date Tested: 01/24/2024 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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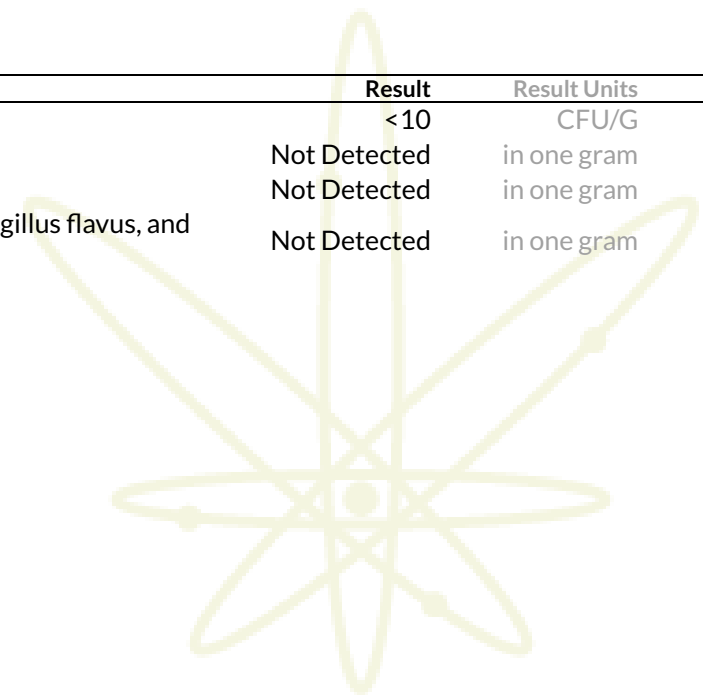
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Plant, Flower - Cured, Outdoor



**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: 01/23/2024 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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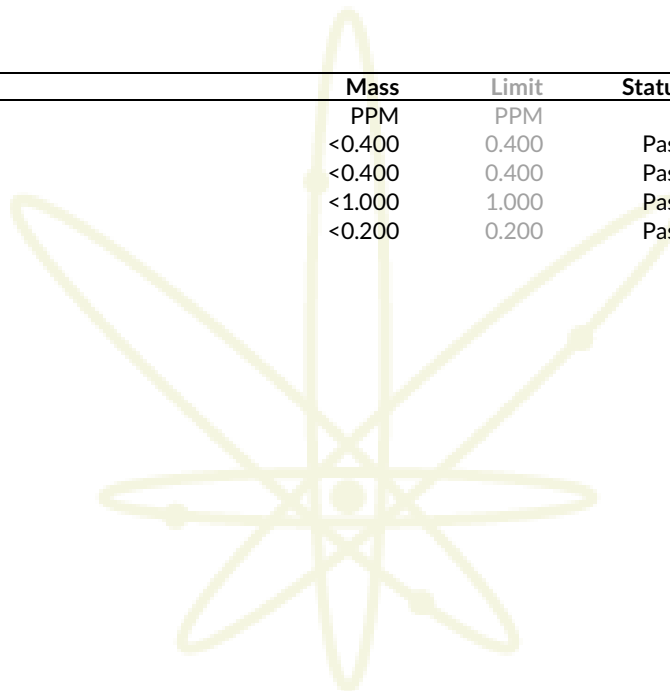
Plant, Flower - Cured, Outdoor



## 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	
Mercury	<0.200	0.200	Pass	



# LEVEL ONE

Qualifiers:  
Date Tested: 01/24/2024 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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