

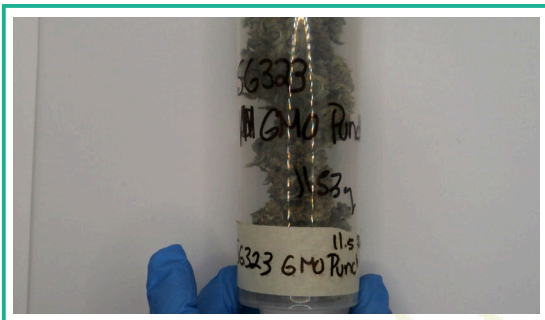
Releaf Brands

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

Sample: 2312LVL1427.7659

Secondary License: 00000144ESQK21738687; Chain of Distribution: Desert Bloom ReLeaf Center, ReLeaf85624
Strain: GMO Punch; Batch#: SG323 GMO Punch; Batch Size: 11.53 g
Sample Received: 12/22/2023; Report Created: 02/02/2024; Expires: 02/02/2025
Sampling Date: 12/22/2023; Sampling Time: 9; Sampling Person: Hanna
Harvest Date: 12/20/2023; Manufacturing Date: 12/20/2023

SG323 GMO Punch
Plant, Flower - Cured, Outdoor



21.41% Total THC	0.14% Total CBD	25.46% Total Cannabinoids
17.86 mg/g Total Terpenes	Complete 5.4% Moisture	

Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.159	23.684	236.84	
Δ9-THC	0.159	0.640	6.40	
Δ8-THC	0.159	ND	ND	
THCVa	0.159	<LOQ	<LOQ	
THCV	0.159	ND	ND	
CBDa	0.159	0.163	1.63	
CBD	0.159	ND	ND	
CBDVa	0.159	ND	ND	
CBDV	0.159	ND	ND	
CBN	0.159	ND	ND	
CBGa	0.159	0.730	7.30	
CBG	0.159	<LOQ	<LOQ	
CBCa	0.159	0.238	2.38	Q3
CBC	0.159	ND	ND	
Total		25.455	254.55	

Qualifiers:
Date Tested: 12/26/2023 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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SG323 GMO Punch

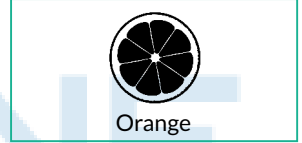
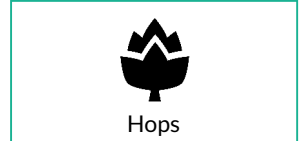
Plant, Flower - Cured, Outdoor



Terpenes

Analyte	LOQ	Mass	MassQualifier	Analyte	LOQ	Mass	MassQualifier
	mg/g	mg/g	%		mg/g	mg/g	%
β-Caryophyllene	0.19	5.58	0.558	cis-Ocimene	0.03	ND	ND
δ-Limonene	0.19	4.03	0.403	Citronellol	0.95	ND	ND
β-Myrcene	0.09	2.22	0.222	Eucalyptol	0.09	ND	ND
α-Humulene	0.09	1.38	0.138	Farnesene	0.02	ND	ND
Guaiol	0.09	0.91	0.091	Fenchone	0.19	ND	ND
β-Eudesmol	0.09	0.85	0.085	γ-Terpinene	0.09	ND	ND
α-Bisabolol	0.09	0.60	0.060	γ-Terpineol	0.02	ND	ND
Fenchol	0.09	0.59	0.059	Geraniol	1.89	ND	ND
α-Pinene	0.09	0.37	0.037	Geranyl Acetate	0.09	ND	ND
α-Terpineol	0.15	0.37	0.037	Isoborneol	0.95	ND	ND
β-Pinene	0.19	0.31	0.031	Isopulegol	0.09	ND	ND
Linalool	0.19	0.29	0.029	Menthol	0.09	ND	ND
Caryophyllene Oxide	0.09	0.25	0.025	Nerol	0.09	ND	ND
Camphene	0.09	0.11	0.011	Pulegone	0.09	ND	ND
3-Carene	0.19	ND	ND	p-Cymene	0.09	ND	ND
α-Cedrene	0.09	ND	ND	Sabinene	0.09	ND	ND
α-Phellandrene	0.09	ND	ND	Sabinene Hydrate	0.09	ND	ND
α-Terpinene	0.09	ND	ND	Terpinolene	0.19	<LOQ	<LOQ
Borneol	0.28	<LOQ	<LOQ	trans-Nerolidol	0.09	ND	ND
Camphor	0.38	ND	ND	trans-Ocimene	0.06	ND	ND
Cedrol	0.09	ND	ND	Valencene	0.09	ND	ND
cis-Nerolidol	0.19	ND	ND				

Primary Aromas



17.86 mg/g
Total Terpenes

Qualifiers:
Date Tested: 12/22/2023 07:00 am

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Certificate of Analysis

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SG323 GMO Punch

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	M2	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	0.050	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	0.050	0.200	ND	Pass		Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.050	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	0.050	0.200	ND	Pass		Myclobutanil	0.050	0.200	ND	Pass	
Carbofuran	0.050	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	0.460	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	M2 V1
Clofentezine	0.050	0.200	ND	Pass	M2	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	0.050	0.400	ND	Pass	M2
Dichlorvos (DDVP)	0.050	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	
Diazinon	0.050	0.200	ND	Pass		Pyrethrins	0.460	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	M2	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	M2	Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.050	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	
Flonicamid	0.050	1.000	ND	Pass		Thiamethoxam	0.050	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: 12/27/2023 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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SG323 GMO Punch
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	



Qualifiers:
Date Tested: 12/28/2023 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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SG323 GMO Punch

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: 12/28/2023 07:00 am

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