

Final Product Information:	
<i>Product Form</i>	Chocolate Bars CBN Dark Chocolate 100mg THC/50mg CBN
<i>Strain</i>	Grower's Blend Hybrid
<i>Batch Number</i>	03-12-23-DSU-A1-F2-DKCBN150
<i>Manufacture Date</i>	11/27/2023
<i>Expiration Date</i>	11/27/2024
Starting Concentrate Information:	
<i>Type</i>	Distillate
<i>Batch Number</i>	03-12-23-DSU-A1-F2
<i>Harvest Date</i>	03/12/2023
<i>Manufacture Date</i>	09/25/2023
<i>Type of Extraction</i>	Ethanol
<i>Manufactured By</i>	Copperstate Farms 00000019DCGM00234427
Distribution Chain:	
<i>Manufactured By</i>	The Desert Valley Pharmacy Inc 00000089ESLW87335751
<i>Packaged By</i>	The Desert Valley Pharmacy Inc 00000089ESLW87335751
<i>Distributed By</i>	The Desert Valley Pharmacy Inc 00000089ESLW87335751
<i>Marijuana Establishment Name</i>	Licensed Arizona Dispensary See Full List of Distrubution Chain on Next Page

Mom & Pop Distribution Chain:

Manufactured By	The Desert Valley Pharmacy Inc 00000089ESLW87335751			
Packaged By	The Desert Valley Pharmacy Inc 00000089ESLW87335751			
Distributed By	The Desert Valley Pharmacy Inc 00000089ESLW87335751			
Marijuana Establishment Name	See all Establishments Below			
Customer	License	Address	City	Zip Code
Patient Alternative Relief Center DBA Local Joint by ZenLeaf	00000086ESQZ01367420	4201 East University Dr	Phoenix	85034
Fort Consulting, Llc DBA MUV by ZenLeaf	00000064ESAK09838873	12401 N. Cave Creek Rd.	Phoenix	85022
Perpetual Healthcare Inc. DBA Zenleaf Dunlap	00000105ESDR54985961	4244 W Dunlap Ave.	Phoenix	85051
The Medicine Room Llc DBA ZenLeaf Mesa	00000084ESFH12297246	550 w. McKellips Road	Mesa	85201
Territory Gilbert	000000112DCLK00614860	5409 S Power Rd	Mesa	85212
Territory Dispensary	000000126DCSO00060479	7200 w chandler ave	Chandler	85202
AZCS	00000090DCYT00194857	8376 N El Mirage Rd #2	El Mirage	85335
203 Organix, LCC DBA SWC Prescott	00000074DCGW00540313	123 E Merritt Ave	Prescott	86301
The LunchBox Dispensary MK Associates LLC	00000143ESKB17654619	3270 AZ-82	Sonoita	85637
Kind Meds Inc.	00000078DCBK00628996	2152 S Vineyard Suite 120	mesa	85012
Wickenburg Alternative Medicine	00000061DCMK00381513	12550 W THUNDERBIRD RD	El Mirage	85335
Green Hills Patient Center	00000051DCYH00987523	3191 S White Mountain Rd	Show Low	85901
Medmar Tanque Verde LLC.: Desert Bloom Releaf Center	00000039ESEZ33667642	8060 E. 22nd St., 108	Tucson	85710
ReLeaf 85624	00000144ESQK21738687	436 Naugle Ave.	Patagonia	85712
Arizona Natural Pain Solutions Inc DBA Natures Medicines Happy Valley	00000096ESWI60030184	24905 N 7th Ave	Phoenix	85024
White Mountain Health Center	00000103DCDR00369521	9420 W Bell Rd Suite 108	Sun City	85351
Higher than High I LLC, DBA Story South	0000151ESTVN87881223	26427 S Arizona Ave	Chandler	85248
Joint Junkies I LLC, DBA Story Williams	0000158ESTLH17620655	341 East Route 66	Williams	86046
Pleasant Plants I LLC, DBA Story Bisbee	00000090ESFB63917979/00000014DCHT00564851	1191 South Naco Highway	Bisbee	85603
Sixth Street Enterprises Inc., DBA Story Grand	00000090ESFB63917979	6840 W. Grand Avenue	Glendale	85301
Sixth Street Enterprises Inc., DBA Story McDowell	00000092ESKW00353670/00000088DCXB00897085	2439 W. McDowell Rd.	Phoenix	85009
Juicy Joint I LLC, DBA Story Kingman	0000147ESTXX54706468	2095 East Northern Avenue #3	Kingman	86409
The Superior Dispensary	00000065DCLV00799347	211 S 57th Dr	Phoenix	85043
Earth's Healing South, DBA Earth's Healing Inc.	00000027DCPI00457346	2075 E Benson Hwy	Tucson	85714
Sol Flower - Deer Valley	00000028DCGV00174888	22041 N 23rd Ave	Phoenix	85027
Total Health & Wellness Inc., DBA Story North	00000100DCWU00857159/00000021ESQX24132908	17006 S Weber Drive	Chandler	85226
Cannabis Research Group Inc., DBA Story Tolleson	00000104ESDH57805022	9897 W McDowell RD	Tolleson	85353
Total Health & Wellness Inc, DBA Story Glendale	00000036DCOP00819772/00000060ESTV86857950	6676 West Bell Rd	Glendale	85308
MCCSE29, LLC, DBA Story Havasu	0000149ESTUL49249395	1691 Industrial Boulevard #103	Lake Havasu City	86403
Soothing Options DBA: Health for Life	00000094DCTJ00667966/00000117ESPN93487198	5550 E McDowell Rd.	Mesa	85215
Natures Wonder (Thomas)	00000089ESLW87335751	2825 W Thomas Rd	Phoenix	85017
FWA, INC DBA; Farm Fresh FWA, INC (Farm Fresh)	00000043DCBC00869823	790 N Lake Havasu	Lake Havasu	86403
Valley of The Sun Medical Dispensary, Inc.	00000085ESVF25061802	16200 W. Eddie Albert Way	Goodyear	85338

Earth's Healing North, DBA Globe Pharmacy Inc.	00000045DCYU00647140	78 W River RD	Tucson	85701
Copper State Herbal Center Inc DBA Botanica	00000058DCQU00115543	6205 N Travel Center Dr	Tucson	85741
Border Health dba Sticky Saguaro	00000022ESMC44584355/00000108DCVB00423429	12338 E Riggs Rd	Chandler	85249
Arizona Golden Leaf Wellness, LLC dba Nature Med	00000077DCPS00216601 / 00000067ESBS89254298	5390 W INA RD	Tucson	85743
The Mint Dispensary DBA G.T.L Llc	00000128DCNB00202967/00000034ESEZ92106085	5210 S Priest Dr	Tempe	85283
Sea of Green LLC.: truBLISS	00000113DCUX00454549/00000057ESJG92466754	6844 East Parkway Norte	Mesa	85212
Jamestown Center	00000031DCPP00603866/00000045ESYU34105986	4104 E 32nd st	Yuma	85365
Holistic Patient Wellness Group, Inc. DBA Sol Flower - McClintock	00000019DCGM00234427	1322 N McClintock, Tempe, AZ	PHOENIX	85281
CSI Solutions, Inc. DBA Sol Flower - Scottsdale	00000008DCJJ00257791	14980 N 78th Way	Scottsdale	85260
Sol Flower - Sun City	00000063DCTB00283389	13650 N. 99th Ave	Sun City	85351
Kannaboost Technology Inc., D.B.A. Sol Flower - Tempe	00000118DCKD00426097	2424 W University Dr.	Tempe	85281
Sol Flower - Foothills	0000166ESTNU15027116	6026 North Oracle Road	Tucson	85704
Sol Flower- North Tucson/1st Ave	0000171ESTSC03605413	4837 North 1st Avenue	Tucson	85718
Sol Flower- South Tucson/Valencia	0000163ESTSO81819209	3000 West Valencia Road	Tucson	85746
Sol Flower- Casa Adobes	0000152ESTNJ52349435	6437 North Oracle Road	Tucson	85704
Jamestown Center DBA Best Dispensary	00000046ESTW28902560/00000032DCOW00232310	1962 N Higley Rd	Mesa	85205
AZ Compassionate Care Inc. DBA Tru Med	00000079DCUU00478781	1613 N 40th St	Phoenix	85008
Nature's Wonder Dispensary AJ	00000035DCCB00049778	260 West Apache Trail	Apache Junction	85120
All Greens, Inc.	00000011DCMZ00182361	10032 W. Bell Rd	Sun City	85351
The Prime Leaf	00000039DCVR00320237	4220 E Speedway Blvd	Tucson	85712
The Prime Leaf on Park	00000025DCPT00084389	1525 N. Park	Tucson	85719
Nature's Wonder, Inc. - Tru Infusion Grand	00000075ESJK64208740	2960 Grand Ave	2960 Grand Ave	85017



3520 N 7th St.
Phoenix, AZ 85014
(480) 788-6644
www.desertvalleytesting.com

Certificate of Analysis

ISO/IEC 17025:2017 Certificate #: AT-2837

License #: 0000031LRCHX78341676

Bunkhouse Brands

License #: 0000089ESLW97335751
2949 North 31st Ave
Phoenix, AZ 85258
(623) 466-5122

Additional Licenses:
Batch #: 03-12-23-DSU-A1-F2-DKCBN150; External Lot #: 03-12-23-DSU-A1-F2-DKCBN150
Source Batch #: 03-12-23-DSU-A1-F2-DKCBN150
Sample Batch Collection: 11/14/23 14:12
Sample Received: 11/14/2023; Report Created: 11/20/2023

Dark/CBN 150mg

Laboratory Number: 2311033-01

Hybrid

Matrix: Ingestible

Metals Not Tested	Pesticides Not Tested	Residual Solvents Not Tested	E. coli PASS	Mycotoxins PASS	Aspergillus Not Tested	Salmonella PASS
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Sample Image



Residual Solvents (GC-MS) Analyzed: By:

SOP: 004	RL	ppm	Q
Propane	NT	NT	
Butanes	NT	NT	
Pentanes	NT	NT	
Acetonitrile	NT	NT	
Dichloromethane	NT	NT	
Hexanes	NT	NT	
Chloroform	NT	NT	
n-Heptane	NT	NT	
Methanol	NT	NT	
Ethanol	NT	NT	
Diethyl Ether	NT	NT	
Acetone	NT	NT	
Isopropanol	NT	NT	
Ethyl acetate	NT	NT	
Isopropyl acetate	NT	NT	
Benzene	NT	NT	
Toluene	NT	NT	
Xylenes	NT	NT	

Cannabinoid (HPLC-DAD) Analyzed: 11/17/23 By: MLC

SOP: 003	LOQ %	mg/g	mg/unit	%	Q
THC-A	0.00199	ND	ND	ND	
delta 9-THC	0.01985	2.1430	96.44	0.21430	D1
delta 8-THC	0.00199	ND	ND	ND	
THC-V	0.00199	ND	ND	ND	
CBG-A	0.00199	ND	ND	ND	
CBD-A	0.00199	ND	ND	ND	
CBD	0.00199	ND	ND	ND	
CBD-V	0.00199	ND	ND	ND	
CBN	0.00199	1.0960	49.32	0.10960	
CBG	0.00199	0.0674	3.033	0.00674	
CBC	0.00199	ND	ND	ND	
delta 8 THC-V	0.00199	ND	ND	ND	

Metals (ICP-MS) Analyzed: By:

SOP: 035	RL	ppm	Q
Arsenic	NT	NT	
Cadmium	NT	NT	
Lead	NT	NT	
Mercury	NT	NT	

Microbials (Petrifilm) Analyzed: 11/17/2023 By: TAM

SOP : 023	RL	Result	Units	Q
E. coli	10	<10	cfu/g	

Microbials (PCR) Analyzed: By:

SOP:	RL	Result	Units	Q
Aspergillus	NT	NT	per gram	

Microbials (PCR) Analyzed: 11/16/2023 By: TAM

SOP: 028	RL	Result	Units	Q
Salmonella	1.00	Not Detected	per gram	

2.1430 mg/g 96.44 mg/unit 0.21430 % Total THC	0.0000 mg/g 0.00 mg/unit 0.00000 % Total CBD	3.3064 mg/g 148.79 mg/unit 0.33064 % Total Cannabinoids ^{Q3}
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Total THC = THCa * 0.877 + delta 9-THC; Total CBD = CBDa * 0.877 + CBD

Mycotoxins (LC-MS/MS) Analyzed: 11/18/23 By: EGP

SOP: 011	RL	ppb	Q
Aflatoxins	9.98	ND	
Ochratoxins	9.98	ND	L1, M1

RL = Reporting Limit
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ND = Non Detected
LOQ = Limit of Quantitation

Erin Polly
Technical Laboratory Director



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Bunkhouse Brands

License #: 0000089ESLW97335751
2949 North 31st Ave
Phoenix, AZ 85258
(623) 466-5122

Additional Licenses:
Batch #: 03-12-23-DSU-A1-F2-DKCBN150; External Lot #: 03-12-23-DSU-A1-F2-DKCBN15
Source Batch #: 03-12-23-DSU-A1-F2-DKCBN150
Sample Batch Collection: 11/14/23 14:12
Sample Received: 11/14/2023; Report Created: 11/20/2023

Dark/CBN 150mg
Hybrid

Laboratory Number: 2311033-01
Matrix: Ingestible

Pesticides (LC-MS/MS) Analyzed: By:							
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	NT	NT		Acequinocyl	NT	NT	
Acetamiprid	NT	NT		Aldicarb	NT	NT	
Azoxystrobin	NT	NT		Bifenthrin	NT	NT	
Boscalid	NT	NT		Carbaryl	NT	NT	
Carbofuran	NT	NT		Chlorpyrifos	NT	NT	
Diazinon	NT	NT		Dimethoate	NT	NT	
Ethoprophos	NT	NT		Etofenprox	NT	NT	
Etoxazole	NT	NT		Fenoxycarb	NT	NT	
Fenpyroximate E	NT	NT		Flonicamid	NT	NT	
Fludioxonil	NT	NT		Hexythiazox	NT	NT	
Imazalil	NT	NT		Imidacloprid	NT	NT	
Kresoxim-methyl	NT	NT		Malathion	NT	NT	
Metalaxyl	NT	NT		Methiocarb	NT	NT	
Methomyl	NT	NT		Myclobutanil	NT	NT	
Naled	NT	NT		Oxamyl	NT	NT	
Piperonyl butoxide	NT	NT		Propiconazole	NT	NT	
Propoxure	NT	NT		Spiromesifen	NT	NT	
Spirotetramat	NT	NT		Spiroxamine	NT	NT	
Tebuconazole	NT	NT		Thiacloprid	NT	NT	
Thiamethoxam	NT	NT		Trifloxystrobin	NT	NT	
Abamectin	NT	NT		Bifenazate	NT	NT	
Chlorantraniliprole	NT	NT		Clofentezine	NT	NT	
Cyfluthrin	NT	NT		Cypermethrin	NT	NT	
Daminozide	NT	NT		DDVP (Dichlorvos)	NT	NT	
Fipronil	NT	NT		Paclobutrazol	NT	NT	
Permethrins	NT	NT		Phosmet	NT	NT	
Prallethrin	NT	NT		Pyrethrins	NT	NT	
Pyridaben	NT	NT		Spinosad	NT	NT	
Chlorfenapyr	NT	NT					

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LOQ = Limit of Quantitation



Erin Polly
Technical Laboratory Director



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2949 North 31st Ave
Phoenix, AZ 85258
(623) 466-5122

Additional Licenses:
Batch #: 03-12-23-DSU-A1-F2-DKCBN150; External Lot #: 03-12-23-DSU-A1-F2-DKCBN150
Source Batch #: 03-12-23-DSU-A1-F2-DKCBN150
Sample Batch Collection: 11/14/23 14:12
Sample Received: 11/14/2023; Report Created: 11/20/2023

Dark/CBN 150mg

Laboratory Number: 2311033-01

Hybrid

Matrix: Ingestible

Microbials (Petrifilm) Analyzed: By:				
SOP: 006	RL	Result	Units	Q
Total Coliform	NT	NT	cfu/g	Q3
Yeast	NT	NT	cfu/g	Q3
Mold	NT	NT	cfu/g	Q3
Aerobic Bacteria	NT	NT	cfu/g	Q3

Terpenes (GC-MS) Analyzed: By:			
SOP: 005	mg/g	%	Q
alpha-Bisabolol	NT	NT	Q3
(-)-Borneol and (+)-Borneol	NT	NT	Q3
Camphene	NT	NT	Q3
Camphor	NT	NT	Q3
beta-Caryophyllene	NT	NT	Q3
trans-Caryophyllene	NT	NT	Q3
Caryophyllene Oxide	NT	NT	Q3
alpha-Cedrene	NT	NT	Q3
Cedrol	NT	NT	Q3
Endo-fenchyl Alcohol	NT	NT	Q3
Eucalyptol	NT	NT	Q3
Fenchone	NT	NT	Q3
Geraniol	NT	NT	Q3
Geranyl acetate	NT	NT	Q3
Guaiol	NT	NT	Q3
Hexahydrothymol	NT	NT	Q3
alpha-Humulene	NT	NT	Q3
Isoborneol	NT	NT	Q3
Isopulegol	NT	NT	Q3
Limonene	NT	NT	Q3
Linalool	NT	NT	Q3
p-Mentha-1,5-diene	NT	NT	Q3
beta-Myrcene	NT	NT	Q3
trans-Nerolidol	NT	NT	Q3
Ocimene	NT	NT	Q3
alpha-Pinene	NT	NT	Q3
beta-Pinene	NT	NT	Q3
Pulegone	NT	NT	Q3
Sabinene	NT	NT	Q3
Sabinene Hydrate	NT	NT	Q3
gamma-Terpinene	NT	NT	Q3
alpha-Terpinene	NT	NT	Q3
3-Carene	NT	NT	Q3
Terpineol	NT	NT	Q3
Terpinolene	NT	NT	Q3
Valencene	NT	NT	Q3
Nerol	NT	NT	Q3
cis-Nerolidol	NT	NT	Q3
Total Terpenes	NT	NT	Q3

Water Activity (Water Activity Meter) Analyzed: By:			
SOP: 007	AW, 25 °C		Q
Water Activity	NT		Q3

Moisture (Moisture Analyzer) Analyzed: By:			
SOP: 008	%		Q
Percent Moisture	NT		Q3

pH Test (pH Meter) Analyzed: By:			
SOP: 022	NA		Q
pH	NT		Q3

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Technical Laboratory Director



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 Phoenix, AZ 85014
 (480) 788-6644
 www.desertvalleytesting.com

Certificate of Analysis

ISO/IEC 17025:2017 Certificate #: AT-2837

License #: 000031LRCHX78341676

Bunkhouse Brands

License #: 000089ESLW97335751
 2949 North 31st Ave
 Phoenix, AZ 85258
 (623) 466-5122

Additional Licenses:
 Batch #: 03-12-23-DSU-A1-F2-DKCBN150; External Lot #: 03-12-23-DSU-A1-F2-DKCBN150
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 Sample Batch Collection: 11/14/23 14:12
 Sample Received: 11/14/2023; Report Created: 11/20/2023

Dark/CBN 150mg
 Hybrid

Laboratory Number: 2311033-01
 Matrix: Ingestible

QUALIFIER DEFINITIONS

- Q3 Testing results is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R 9-17-317.01(A) or labeling requirements in R9-17-317.
- D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- L1 The percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.
- M1 Matrix spike recovery is high, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.

CASE NARRATIVE

RL = Reporting Limit
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 ND = Non Detected
 LOQ = Limit of Quantitation

Erin Polly
 Technical Laboratory Director



Testing results were obtained according to requirements in the quality assurance plan in R9-17-404.05, in the applicable standard operating procedure, and in R9-17-404.03 or R9-17-404.04. Any variances from these requirements, and the reason for the variance, will be documented in the case narrative. Values reported only relate to the sample as received. Desert Valley Testing makes no claims to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full without the written approval of Desert Valley Testing.



Copperstate Farms
650 N. Industrial Dr.
Snowflake, AZ, 85937
9282406489
License #:
00000019DCGM00234427
Order #: 83826
Retail Batch #:
03.12.23.DSU.A1.F2

CERTIFICATE OF ANALYSIS

ISO/IEC: 17025:2017 Accreditation #:

103104

License #: 00000020LCVT89602592

Order Information

Order #: 83826
Order Name: Grower's Blend Hybrid
03.12.23.DSU.A1.F2 FP GS
Retail Batch #: 03.12.23.DSU.A1.F2
Received: 09/26/2023 14:34:30
Complete: 09/29/2023 18:27:17

Harvest/Lot ID: 03.12.23.DSU.A1.F2

Seed-to-Sale #: N/A

Batch Information

Create Date: 03/12/2023
Exp. Date: 03/12/2024

Matrix: Distillate
Pickup Weight: 10 g

Dispensary Information

Cultivation Facility: Farm
Processing Facility: Farm

Cultivar(s): Grower's Blend Hybrid

COMPLIANCE FOR RETAIL

Regulated Analytes

CANNABINOID PROFILE (Q3)
TESTED

MICROBIAL CONTAMINANTS
MICROBIAL ANALYSIS: PASS
MYCOTOXIN ANALYSIS: PASS

RESIDUAL SOLVENTS
PASS

**PESTICIDES, FUNGICIDES,
AND GROWTH REGULATORS**
PASS

HERBICIDES
NOT TESTED

HEAVY METAL ANALYSIS
PASS



Additional Analytes (Not Regulated)

TERPENES (Q3)
NOT TESTED

MOISTURE ANALYSIS (Q3)
NOT TESTED

WATER ACTIVITY (Q3)
NOT TESTED

FILTH & FOREIGN (Q3)
NOT TESTED

HOMOGENEITY (Q3)
NOT TESTED

89.9177 %
Total THC

0.2286 %
Total CBD

94.7329 %
Total Cannabinoids (Q3)

Ahmed Munshi

Lab Director



Arizona

734 W Highland Avenue, 2nd Floor
Phoenix, AZ 85013
(602) 806-6930



The product associated with this COA has been tested by Green Scientific Labs AZ, LLC, a Smithers Company, using validated state certified testing methodologies as required by Arizona state law. This COA is governed by the terms and conditions listed on: <https://www.smithers.com/arizona-terms-conditions>

a Smithers company



Copperstate Farms
650 N. Industrial Dr.
Snowflake, AZ, 85937
9282406489
License #:
00000019DCGM00234427
Order #: 83826
Retail Batch #:
03.12.23.DSU.A1.F2

CERTIFICATE OF ANALYSIS
ISO/IEC: 17025:2017 Accreditation #:
103104
License #: 00000020LCVT89602592

Sample Prep

Tech: 2463
SOP: 418.AZ
Batch Number: 61523
Batch Date: 09/26/2023 12:35:19

Sample Analysis

Date/Time: 09/27/2023 12:44:08
Tech: 2463
SOP: 417.AZ
Final Weight: 0.042 g
Volume: 40 ml

CANNABINOID PROFILE
HPLC-DAD **TESTED**

89.9177 %
Total THC

0.2286 %
Total CBD

94.7329 %
Total Cannabinoids
(Q3)

Cannabinoid Potency (Certified)

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	QUALIFIERS
CBC	0.3224/0.977	2	0.5684	5.684	
CBD	0.3224/0.977	2	0.2286	2.286	
CBDA	0.3224/0.977	2	ND	ND	
CBDV	0.3224/0.977	2	ND	ND	
CBG	0.3224/0.977	2	2.6339	26.339	
CBGA	0.3224/0.977	2	ND	ND	
CBN	0.3224/0.977	2	1.0232	10.232	
d8-THC	0.3224/0.977	2	ND	ND	
d9-THC	0.3224/0.977	2	89.9177	899.177	
THCA	0.3224/0.977	2	ND	ND	
THCV	0.3224/0.977	2	0.3611	3.611	

Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

CANNABINOID TOTALS	WEIGHT %	MG/G
Total THC	89.9177	899.177
Total CBD	0.2286	2.286
Total Cannabinoids (Q3)	94.7329	947.329

Ahmed Munshi
Lab Director 

Arizona
734 W Highland Avenue, 2nd Floor
Phoenix, AZ 85013
(602) 806-6930



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a Smithers company



Copperstate Farms
650 N. Industrial Dr.
Snowflake, AZ, 85937
92B2406489
License #:
00000019DCGM00234427
Order #: 83826
Retail Batch #:
03.12.23.DSU.A1.F2

CERTIFICATE OF ANALYSIS
ISO/IEC: 17025:2017 Accreditation #: 103104
License #: 00000020LCVT89602592

MYCOTOXIN ANALYSIS
LC-MS/MS **PASS**

Sample Prep

Tech: 3978
SOP: 432.AZ
Batch Number: 61524
Batch Date: 09/26/2023 12:35:30

Sample Analysis

Date/Time: 09/29/2023 17:16:20
Tech: 2463
SOP: 424.AZ
Final Weight: 0.51 g
Volume: 12.5 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LEVEL (ppb)	RESULTS (ppb)	QUALIFIER
Aflatoxin B1	4/10	1	0	ND	I1
Aflatoxin B2	4/10	1	0	ND	I1
Aflatoxin G1	4/10	1	0	ND	I1
Aflatoxin G2	4/5	1	0	ND	
Ochratoxin A	10/10	1	20	ND	R1,V1,I1
Total Aflatoxins	4/10	1	20	ND	

Ahmed Munshi

Lab Director



Arizona
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Phoenix, AZ 85013
(602) 806-6930



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Pesticides, Fungicides, and Growth Regulators

LC-MS/MS

PASS

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Date/Time: 09/29/2023 17:16:20
Tech: 2463
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Final Weight: 0.51 g
Volume: 12.5 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL(ppm)	RESULTS (ppm)	QUALIFIER	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)	QUALIFIER
Abamectin	0.083/0.25	1	0.5	ND	L1,M2	Hexythiazox	0.167/0.5	1	1	ND	M2
Acephate	0.067/0.2	1	0.4	ND		Imazalil	0.033/0.1	1	0.2	ND	
Acequinocyl	0.333/1	1	2	ND		Imidacloprid	0.067/0.2	1	0.4	ND	
Acetamiprid	0.033/0.1	1	0.2	ND		Kresoxim-methyl	0.067/0.2	1	0.4	ND	M2
Aldicarb	0.067/0.2	1	0.4	ND		Malathion	0.033/0.1	1	0.2	ND	
Azoxystrobin	0.033/0.1	1	0.2	ND		Metalaxyl	0.033/0.1	1	0.2	ND	
Bifenazate	0.033/0.1	1	0.2	ND	M2	Methiocarb	0.033/0.1	1	0.2	ND	
Bifenthrin	0.033/0.1	1	0.2	ND	M2	Methomyl	0.067/0.2	1	0.4	ND	
Boscalid	0.067/0.2	1	0.4	ND	M2	Myclobutanil	0.033/0.1	1	0.2	ND	
Carbaryl	0.033/0.1	1	0.2	ND		Naled	0.083/0.25	1	0.5	ND	M2
Carbofuran	0.033/0.1	1	0.2	ND		Oxamyl	0.167/0.5	1	1	ND	
Chlorantraniliprole	0.033/0.1	1	0.2	ND	V1	Paclobutrazol	0.067/0.2	1	0.4	ND	
Chlorfenapyr	0.167/0.5	1	1	ND	M2,I1	Permethrins	0.033/0.1	1	0.2	ND	M2
Chlorpyrifos	0.033/0.1	1	0.2	ND	M2	Phosmet	0.033/0.1	1	0.2	ND	I1
Clofentezine	0.033/0.1	1	0.2	ND	M2	Piperonyl Butoxide	0.333/1	1	2	ND	
Cyfluthrin	0.167/0.5	1	1	ND	M2	Prallethrin	0.033/0.1	1	0.2	ND	M1
Cypermethrin	0.167/0.5	1	1	ND	M2	Propiconazole	0.067/0.2	1	0.4	ND	
Daminozide	0.167/0.5	1	1	ND		Propoxur	0.033/0.1	1	0.2	ND	
Diazinon	0.033/0.1	1	0.2	ND	M2	Pyrethrins	0.033/0.1	1	1	ND	
Dichlorvos	0.017/0.05	1	0.1	ND	M2	Pyridaben	0.033/0.1	1	0.2	ND	
Dimethoate	0.033/0.1	1	0.2	ND		Spinosad	0.033/0.1	1	0.2	ND	
Ethoprophos	0.033/0.1	1	0.2	ND	M2	Spiromesifen	0.033/0.1	1	0.2	ND	M2
Etofenprox	0.067/0.2	1	0.4	ND	M2	Spirotetramat	0.033/0.1	1	0.2	ND	M1
Etoxazole	0.033/0.1	1	0.2	ND		Spiroxamine	0.067/0.2	1	0.4	ND	
Fenoxycarb	0.033/0.1	1	0.2	ND	M2	Tebuconazole	0.067/0.2	1	0.4	ND	
Fenpyroximate	0.067/0.2	1	0.4	ND	M2	Thiacloprid	0.033/0.1	1	0.2	ND	M2
Fipronil	0.067/0.2	1	0.4	ND		Thiamethoxam	0.033/0.1	1	0.2	ND	
Flonicamid	0.167/0.5	1	1	ND		Trifloxystrobin	0.033/0.1	1	0.2	ND	M2
Fludioxonil	0.067/0.2	1	0.4	ND	M2						

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RESIDUAL SOLVENTS
HS-GC-MS **PASS**

Sample Prep

Tech: 3958
SOP: 405.AZ
Batch Number: 61493
Batch Date: 09/22/2023 14:20:03

Sample Analysis

Date/Time: 09/28/2023 12:17:37
Tech: 3997
SOP: 405.AZ
Final Weight: 0.052 g
Volume: 1 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)	QUALIFIER	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)	QUALIFIER
2-Propanol	333/1000	1	5000	ND		Ethyl ether	333/1000	1	5000	ND	
Acetone	67/200	1	1000	ND		Heptane	333/1000	1	5000	ND	
Acetonitrile	27/82	1	410	ND		Hexanes	48/145	1	290	ND	
Benzene	0.13/0.4	1	2	ND		Isopropyl acetate	333/1000	1	5000	ND	
Butanes	167/500	1	5000	ND		Methanol	200/600	1	3000	ND	
Chloroform	4/12	1	60	ND	M1	Pentanes	333/1000	1	5000	ND	
Dichloromethane	40/120	1	600	ND		Propane	167/500	1	5000	ND	
Ethanol	333/1000	1	5000	ND		Toluene	59/178	1	890	ND	
Ethyl acetate	333/1000	1	5000	ND		Xylenes	289/868	1	2170	ND	

HEAVY METAL ANALYSIS
ICP-MS **PASS**

Sample Prep

Tech: 3971
SOP: 428.AZ
Batch Number: 61525
Batch Date: 09/26/2023 12:35:42

Sample Analysis

Date/Time: 09/27/2023 15:35:15
Tech: 3971
SOP: 428.AZ
Final Weight: 0.201 g
Volume: 6 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)	QUALIFIER
Arsenic	0.02/0.2	10	0.4	ND	
Cadmium	0.02/0.2	10	0.4	ND	
Lead	0.02/0.5	10	1	ND	
Mercury	0.02/0.6	10	1.2	ND	

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MICROBIAL ANALYSIS
PASS

Sample Prep

Tech: 3958
SOP: 431.AZ

Batch Number: 61521
Batch Date: 09/26/2023 12:25:17

Sample Analysis

Date/Time: 09/28/2023 15:45:02
Tech: 3989
SOP: 431.AZ

Final Weight: 1.026 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL	QUALIFIER
E. coli	Tempo	< 100 CFU/g	< 100 CFU/g	PASS	

Sample Prep

Tech: 3958
SOP: 406.AZ

Batch Number: 61522
Batch Date: 09/26/2023 12:25:39

Sample Analysis

Date/Time: 09/28/2023 17:22:03
Tech: 3989
SOP: 406.AZ

Final Weight: 1.009 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL	QUALIFIER
Aspergillus flavus	qPCR	Not Detected in One Gram	Not Detected in One Gram	PASS	
Aspergillus fumigatus	qPCR	Not Detected in One Gram	Not Detected in One Gram	PASS	
Aspergillus niger	qPCR	Not Detected in One Gram	Not Detected in One Gram	PASS	
Aspergillus terreus	qPCR	Not Detected in One Gram	Not Detected in One Gram	PASS	

Sample Prep

Tech: 3958
SOP: 406.AZ

Batch Number: 61522
Batch Date: 09/26/2023 12:25:39

Sample Analysis

Date/Time: 09/28/2023 17:22:03
Tech: 3989
SOP: 406.AZ

Final Weight: 1.009 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL	QUALIFIER
Salmonella	qPCR	Not Detected in One Gram	Not Detected in One Gram	PASS	

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QUALIFIER LEGEND

ALSO REFERENCED AS "Q"

- I1** The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance with respect to the reference spectra, indicating interference
- L1** When testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, the percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample
- M1** The recovery from the matrix spike was high, but the recovery from the laboratory control sample was within acceptance criteria
- M2** The recovery from the matrix spike was low, but the recovery from the laboratory control sample was within acceptance criteria
- Q3** Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317
- R1** The relative percent difference for the laboratory control sample and duplicate exceeded the limit, but the recovery was within acceptance criteria
- V1** The recovery from continuing calibration verification standards exceeded the acceptance limits, but the sample's target analytes were not detected above the maximum allowable for the analytes in the sample

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