

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>	10-24-23-DSU-DKCBN150
<i>Manufacture Date</i>	3/5/2024
<i>Expiration Date</i>	3/5/2025
Starting Concentrate Information:	
<i>Type</i>	Distillate
<i>Batch Number</i>	10-24-23-DSU
<i>Harvest Date</i>	10/24/2023
<i>Manufacture Date</i>	10/25/2023
<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/Nature's Wonder Inc 00000035DCCB00049778
<i>Packaged By</i>	The Desert Valley Pharmacy Inc 00000089ESLW87335751/Nature's Wonder Inc 00000035DCCB00049778
<i>Distributed By</i>	The Desert Valley Pharmacy Inc 00000089ESLW87335751/Nature's Wonder Inc 00000035DCCB00049778
<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/Nature's Wonder Inc 00000035DCCB00049778			Updated: 03/15/2024
Packaged By	The Desert Valley Pharmacy Inc 00000089ESLW87335751/Nature's Wonder Inc 00000035DCCB00049778			
Distributed By	The Desert Valley Pharmacy Inc 00000089ESLW87335751/Nature's Wonder Inc 00000035DCCB00049778			
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 Clty	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	Phoenix	85017
High Mountain Health, LLC DBA Ponderosa	00000050DCBO00239922/00000087ESWR93327597	1250 S Plaza Way Ste A	Flagstaff	86001
Mmj Apothecary DBA Ponderosa	00000100ESEC12878172	9240 West Northern Avenue Ste. 103b	Peoria	85345
480 License Holdings, LLC DBA Ponderosa	0000154ESTQI31348041	363 North Main Street #103	Florence	85132
Ponderosa Botanical Care Inc DBA Ponderosa	00000066DCBO00410690/	318 South Bracken Lane	Chandler	85224



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 #: 10-24-23-DSU-DKCBN150; External Lot #: 10-24-23-DSU-DKCBN150
Source Batch #: 10-24-23-DSU
Sample Batch Collection: 03/05/24 15:56
Sample Received: 3/5/2024; Report Created: 3/12/2024

Dark/CBN 150mg

Laboratory Number: 2403024-03

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: 03/08/24 By: MLC

SOP: 003	LOQ %	mg/g	mg/unit	%	Q
THC-A	0.00185	ND	ND	ND	
delta 9-THC	0.01851	2.0683	109.62	0.20683	D1
delta 8-THC	0.00185	ND	ND	ND	
THC-V	0.00185	ND	ND	ND	
CBG-A	0.00185	ND	ND	ND	
CBD-A	0.00185	ND	ND	ND	
CBD	0.00185	ND	ND	ND	
CBD-V	0.00185	ND	ND	ND	
CBN	0.00185	1.0536	55.84	0.10536	
CBG	0.00185	0.0575	3.048	0.00575	
CBC	0.00185	ND	ND	ND	
delta 8 THC-V	0.00185	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: 3/8/2024 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: 3/8/2024 By: TAM

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

2.0683 mg/g 109.62 mg/unit 0.20683 % Total THC	0.0000 mg/g 0.00 mg/unit 0.00000 % Total CBD	3.1794 mg/g 168.51 mg/unit 0.31794 % 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: 03/11/24 By: EGP

SOP: 011	RL	ppb	Q
Aflatoxins	10.7	ND	
Ochratoxins	10.7	ND	L1, V1

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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 #: 10-24-23-DSU-DKCBN150; External Lot #: 10-24-23-DSU-DKCBN150
Source Batch #: 10-24-23-DSU
Sample Batch Collection: 03/05/24 15:56
Sample Received: 3/5/2024; Report Created: 3/12/2024

Dark/CBN 150mg
Hybrid

Laboratory Number: 2403024-03
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		Fonicamid	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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Sample Batch Collection: 03/05/24 15:56
Sample Received: 3/5/2024; Report Created: 3/12/2024

Dark/CBN 150mg

Laboratory Number: 2403024-03

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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Certificate of Analysis
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License #: 000031LRCHX78341676

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Dark/CBN 150mg
Hybrid

Laboratory Number: 2403024-03
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.
- V1 Continuing Calibration Verification (CCV) recovery exceeds acceptable limits; but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.

CASE NARRATIVE

RL = Reporting Limit
NT = Not Tested
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LOQ = Limit of Quantitation

Erin Polly
Technical Laboratory Director



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Copperstate Farms
 650 N Industrial Drive
 Snowflake, AZ 85937
 License #: 00000019DCGM00234427
 Sample ID: 2310SMAZ0217.0664
 Batch #: 10.24.23.DSU



CERTIFICATE OF ANALYSIS
 License #: 00000020LCVT89602592

Certificate: 2484

10.24.23.DSU FP GS

Batch #: 10.24.23.DSU
 Strain: Grower's Blend Hybrid
 Parent Batch #:
 Sample Collected: 10/26/2023 14:30:00
 Published: 12/13/2023

Sample ID: 2310SMAZ0217.0664
 Amount Received:
 Sample Type: Distillate
 Received: 10/26/2023



COMPLIANCE FOR RETAIL

Regulated Analytes

Cannabinoid Profile (Q3) Tested	Microbial Contaminants Pass	Residual Solvents Pass
Pesticides, Fungicides, and Growth Regulators Pass	Mycotoxins Pass	Heavy Metals Pass

Additional Analytes (Not Regulated)

Terpenes Total (Q3) Not Tested	Moisture Analysis (Q3) Not Tested	Water Activity (Q3) Not Tested
Filth & Foreign (Q3) Not Tested	Homogeneity (Q3) Not Tested	Additional Microbial Contaminants (Q3) Not Tested

89.907% Total THC
<LOQ Total CBD
0.876% CBN
2.297% CBG
94.006% Total Cannabinoids (Q3)

Ahmed Munshi

Technical Laboratory Director

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



The product associated with this COA has been tested by Smithers CTS Arizona LLC, 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>



Copperstate Farms
 650 N Industrial Drive
 Snowflake, AZ 85937
 License #: 00000019DCGM00234427
 Sample ID: 2310SMAZ0217.0664
 Batch #: 10.24.23.DSU



CERTIFICATE OF ANALYSIS
 License #: 00000020LCVT89602592

Certificate: 2484

Cannabinoid Profile

HPLC **Tested**

Sample Prep

Batch Date: 10/30/2023
 SOP: 418.AZ
 Batch Number: 263

Sample Analysis

Date: 10/31/2023
 SOP: 417.AZ - HPLC
 Sample Weight: 0.041 g
 Volume: 40 mL

Analyte	LOD (mg/g)	LOQ (mg/g)	Dil.	Actual % (w/w)	mg/g	Qualifier
CBC	1.257	3.813	4	0.453	4.531	
CBD	1.257	3.813	4	<LOQ	<LOQ	
CBDA	1.257	3.813	4	ND	ND	
CBDV	1.257	3.813	4	ND	ND	
CBG	1.257	3.813	4	2.297	22.970	
CBGA	1.257	3.813	4	ND	ND	
CBN	1.257	3.813	4	0.876	8.757	
d8-THC	1.257	3.813	4	ND	ND	
d9-THC	1.257	3.813	4	89.907	899.067	
THCA	1.257	3.813	4	ND	ND	
THCV	1.257	3.813	4	0.473	4.734	

Cannabinoid Totals	Actual % (w/w)	mg/g	Qualifier
Total THC	89.907	899.067	
Total CBD	<LOQ	<LOQ	
Total Cannabinoids	94.006	940.059	Q3

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

Ahmed Munshi
 Technical Laboratory Director

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



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Copperstate Farms
 650 N Industrial Drive
 Snowflake, AZ 85937
 License #: 00000019DCGM00234427
 Sample ID: 2310SMAZ0217.0664
 Batch #: 10.24.23.DSU



CERTIFICATE OF ANALYSIS
 License #: 00000020LCVT89602592

Certificate: 2484

Microbial Analysis
 Pass

Sample Prep

Batch Date: 10/31/2023
 SOP: 431.AZ
 Batch Number: 272

Sample Analysis

Date: 10/31/2023
 SOP: 431.AZ - TEMPO (MPN)
 Sample Weight: 1.054 g

Analyte	Allowable Criteria	Actual Result	Pass/Fail	Qualifier
E. coli	< 100 CFU/g	< 10 CFU/g	Pass	

Sample Prep

Batch Date: 10/30/2023
 SOP: 406.AZ
 Batch Number: 257

Sample Analysis

Date: 10/31/2023
 SOP: 406.AZ - qPCR (MG)
 Sample Weight: 1.010 g

Analyte	Allowable Criteria	Actual Result	Pass/Fail	Qualifier
Salmonella	Not Detected in One Gram	Not Detected in One Gram	Pass	

Sample Prep

Batch Date: 10/30/2023
 SOP: 406.AZ
 Batch Number: 257

Sample Analysis

Date: 10/31/2023
 SOP: 406.AZ - qPCR (MG)
 Sample Weight: 1.010 g

Analyte	Allowable Criteria	Actual Result	Pass/Fail	Qualifier
Aspergillus flavus	Not Detected in One Gram	Not Detected in One Gram	Pass	
Aspergillus fumigatus	Not Detected in One Gram	Not Detected in One Gram	Pass	
Aspergillus niger	Not Detected in One Gram	Not Detected in One Gram	Pass	
Aspergillus terreus	Not Detected in One Gram	Not Detected in One Gram	Pass	

Ahmed Munshi
 Technical Laboratory Director

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Copperstate Farms
 650 N Industrial Drive
 Snowflake, AZ 85937
 License #: 00000019DCGM00234427
 Sample ID: 2310SMAZ0217.0664
 Batch #: 10.24.23.DSU



SMITHERS

CERTIFICATE OF ANALYSIS
 License #: 00000020LCVT89602592

Certificate: 2484

Residual Solvents

HS-GC-MS

Pass

Sample Prep

Batch Date: 10/30/2023
 SOP: 405.AZ
 Batch Number: 256

Sample Analysis

Date: 10/31/2023
 SOP: 405.AZ - HS-GC-MS
 Sample Weight: 0.051 g

Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier	Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Acetone	65 / 196	1	1000	ND		Heptane	327 / 980	1	5000	ND	
Acetonitrile	27 / 80	1	410	ND		Hexanes	47 / 142	1	290	ND	
Benzene	0.14 / 0.39	1	2	ND		Isopropyl acetate	327 / 980	1	5000	ND	
Butanes	163 / 490	1	5000	ND		Methanol	196 / 588	1	3000	ND	
Chloroform	4 / 12	1	60	ND		Pentanes	327 / 980	1	5000	ND	
Dichloromethane	39 / 118	1	600	ND		2-Propanol (IPA)	327 / 980	1	5000	ND	
Ethanol	327 / 980	1	5000	ND		Toluene	59 / 175	1	890	ND	
Ethyl acetate	327 / 980	1	5000	ND		Xylenes	284 / 851	1	2170	ND	
Ethyl ether	327 / 980	1	5000	ND							

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Accreditation #: 103104

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 Sample ID: 2310SMAZ0217.0664
 Batch #: 10.24.23.DSU



CERTIFICATE OF ANALYSIS
 License #: 00000020LCVT89602592

Certificate: 2484

Heavy Metals

ICP-MS **Pass**

Sample Prep
 Batch Date: 10/30/2023
 SOP: 428.AZ
 Batch Number: 254

Sample Analysis
 Date: 10/31/2023
 SOP: 428.AZ - ICP-MS
 Sample Weight: 0.2081 g
 Volume: 6 mL

Analyte	LOD (ppm)	LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Arsenic	0.019	0.192	10	0.4	ND	
Cadmium	0.019	0.192	10	0.4	ND	
Lead	0.019	0.481	10	1	<LOQ	
Mercury	0.019	0.096	10	0.2	ND	

Mycotoxin Analysis

LC-MS/MS **Pass**

Sample Prep
 Batch Date: 10/30/2023
 SOP: 432.AZ
 Batch Number: 258

Sample Analysis
 Date: 10/31/2023
 SOP: 424.AZ - LC-MS/MS
 Sample Weight: 0.514 g
 Volume: 12.5 mL

Analyte	LOD (ppb)	LOQ (ppb)	Dil.	Action Limit (ppb)	Results (ppb)	Qualifier
Total Aflatoxins	3.89	9.73	1	20	ND	R1V1
Aflatoxin B1	3.89	9.47	1	0	ND	
Aflatoxin B2	3.89	9.47	1	0	ND	R1V1
Aflatoxin G1	3.89	9.47	1	0	ND	
Aflatoxin G2	3.89	4.73	1	0	ND	R1V1
Ochratoxin A	9.73	9.47	1	20	ND	M1V1

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Copperstate Farms
 650 N Industrial Drive
 Snowflake, AZ 85937
 License #: 00000019DCGM00234427
 Sample ID: 2310SMAZ0217.0664
 Batch #: 10.24.23.DSU



CERTIFICATE OF ANALYSIS
 License #: 00000020LCVT89602592

Certificate: 2484

**Pesticides, Fungicides, and
 Growth Regulators**
 LC-MS/MS **Pass**

Sample Prep

Batch Date: 10/30/2023
 SOP: 432.AZ
 Batch Number: 258

Sample Analysis

Date: 10/31/2023
 SOP: 424.AZ - LC-MS/MS
 Sample Weight: 0.514 g
 Volume: 12.5 mL

Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier	Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Abamectin B1a	0.081 / 0.243	1	0.5	ND	M2	Hexythiazox	0.162 / 0.486	1	1	ND	M2
Acephate	0.065 / 0.195	1	0.4	ND		Imazalil	0.032 / 0.097	1	0.2	ND	M2
Acetamiprid	0.032 / 0.097	1	0.2	ND		Imidacloprid	0.065 / 0.195	1	0.4	ND	V1
Aldicarb	0.065 / 0.195	1	0.4	ND		Kresoxim-methyl	0.065 / 0.195	1	0.4	ND	
Azoxystrobin	0.032 / 0.097	1	0.2	ND		Malathion	0.032 / 0.097	1	0.2	ND	
Bifenazate	0.032 / 0.097	1	0.2	ND		Metaxyl	0.032 / 0.097	1	0.2	ND	
Bifenthrin	0.032 / 0.097	1	0.2	ND	M2	Methiocarb	0.032 / 0.097	1	0.2	ND	
Boscalid	0.065 / 0.195	1	0.4	ND		Methomyl	0.065 / 0.195	1	0.4	ND	
Carbaryl	0.032 / 0.097	1	0.2	ND		Myclobutanil	0.032 / 0.097	1	0.2	ND	
Carbofuran	0.032 / 0.097	1	0.2	ND		Naled	0.081 / 0.243	1	0.5	ND	
Chlorantraniliprole	0.032 / 0.097	1	0.2	ND	L1	Oxamyl	0.162 / 0.486	1	1	ND	
Chlorfenapyr	0.162 / 0.486	1	1	ND	M2 V1	Paclobutrazol	0.065 / 0.195	1	0.4	ND	L1
Chlorpyrifos	0.032 / 0.097	1	0.2	ND	M2	Permethrins	0.032 / 0.097	1	0.2	ND	
Clofentezine	0.032 / 0.097	1	0.2	ND	M2	Phosmet	0.032 / 0.097	1	0.2	ND	
Cyfluthrin	0.162 / 0.486	1	1	ND	M2 V1	Piperonyl Butoxide	0.324 / 0.973	1	2	ND	
Cypermethrin	0.162 / 0.486	1	1	ND	M2	Prallethrin	0.032 / 0.097	1	0.2	ND	M1
Daminozide	0.162 / 0.486	1	1	ND		Propiconazole	0.065 / 0.195	1	0.4	ND	
Diazinon	0.032 / 0.097	1	0.2	ND		Propoxur	0.032 / 0.097	1	0.2	ND	
Dichlorvos	0.017 / 0.049	1	0.1	ND	M2	Pyrethrins	0.136 / 0.408	1	1	ND	V1
Dimethoate	0.032 / 0.097	1	0.2	ND		Pyridaben	0.032 / 0.097	1	0.2	ND	
Ethoprophos	0.032 / 0.097	1	0.2	ND		Spinosad	0.032 / 0.097	1	0.2	ND	M2
Etofenprox	0.065 / 0.195	1	0.4	ND	M2	Spiromesifen	0.032 / 0.097	1	0.2	ND	M2
Etoxazole	0.032 / 0.097	1	0.2	ND		Spirotetramat	0.032 / 0.097	1	0.2	ND	V1
Fenoxycarb	0.032 / 0.097	1	0.2	ND		Spiroxamine	0.065 / 0.195	1	0.4	ND	
Fenpyroximate	0.065 / 0.195	1	0.4	ND	M2	Tebuconazole	0.065 / 0.195	1	0.4	ND	V1
Fipronil	0.065 / 0.195	1	0.4	ND		Thiacloprid	0.032 / 0.097	1	0.2	ND	
Fonicamid	0.162 / 0.486	1	1	ND		Thiamethoxam	0.032 / 0.097	1	0.2	ND	
Fludioxonil	0.065 / 0.195	1	0.4	ND	M2	Trifloxystrobin	0.032 / 0.097	1	0.2	ND	M2

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Copperstate Farms
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 Snowflake, AZ 85937
 License #: 00000019DCGM00234427
 Sample ID: 2310SMAZ0217.0664
 Batch #: 10.24.23.DSU



CERTIFICATE OF ANALYSIS
 License #: 00000020LCVT89602592

Certificate: 2484

Qualifier Legend

- B1** The target analyte detected in the calibration is at or above the limit of quantitation, but the sample result for potency testing, is below the limit of quantitation.
- B2** The target analyte detected in the calibration blank, or the method blank is at or above the limit of quantitation, but the sample result when testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, is below the maximum allowable concentration for the analyte.
- D1** The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- 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.
- M3** The recovery from the matrix spike was unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample was within acceptance criteria.
- M4** The analysis of a spiked sample required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated laboratory control sample was within acceptance criteria.
- M5** The analyte concentration was determined by the method of standard addition, in which the standard is added directly to the aliquots of the analyzed sample.
- M6** A description of the variance is described in the final report of testing according to R9-17- 404.06(B)(3)(d)(ii).
- Q1** Sample integrity was not maintained.
- Q2** The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices.
- 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.
- R2** The relative percent difference for a sample and duplicate exceeded the limit.
- 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.

Notes: Harvest Date: 10/24/2023 Manufacturing Date: 10/24/2023 Method: Alcohol

From: 00000019DCGM00234427 Holistic Patient Wellness Group

To: 00000048ESNO41782628 Kannaboost Technology Inc

Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

Ahmed Munshi

Technical Laboratory Director

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