Method Testing Laboratories
2720 Broadway Center Blvd.
Brandon, FL 33510
Lic #CMTL-2023-00012

Certificate of Analysis

Order # 2401CBR0091
Order Date: 1/18/2024
Sample # 2401CBR0091-010
Sampling Date: 1/19/2024 15:01

Receipt Date: 1/19/2024 15:01
Completion Date: 01/22/2024 19:47
Initial Gross Weight: 15.45 g
Total Batch Wgt or Vol: 731 g

Product Name: Blue Zushi 1g Live Rosin Badder
Seed to Sale #: 6809 4019 7804 9783
Batch #: 5097017581429132
Lot ID: 6809 4019 7804 9783

Client: Sunburn
Address: 25548 County Rd 44A
Address: Eustis, FL 32736

Batch Date: 1/19/2024
Extracted From: 6809 4019 7804 978
Cultivars: Blue Zushi
Description: Blue Zushi 1g Live Rosin Badder

Sampling Method: LAB-028
Matrix: Extract
Test Reg State: Cannabis FL

Cultivation Facility: Eustis
Cultivation Date: 1/17/2024
Production Facility: Eustis
Production Date: 1/17/2024

SUMMARY — TESTED

TESTED Potency	TESTED Terpenes	PASSED Pesticides	PASSED Heavy Metals	PASSED Total Contaminant Load	PASSED Residual Solvents	NOT TESTED Total Aerobic Bacteria
PASSED Mycotoxins	PASSED Microbials	PASSED Total Yeast and Mold	PASSED Filth and Foreign Material	PASSED Water Activity	NOT TESTED Moisture	NOT TESTED Homogeneity

POTENCY — TESTED

Analyte	LOD (mg/g)	Result (mg/g)	Result %	mg/unit
THCA	0.000012	821	82.1	820.73
CBGA	0.000008	41.4	4.14	41.388
d9-THC	0.00002	18.3	1.83	18.261
CBC	0.000004	ND	ND	N/A
CBD	0.00001	ND	ND	N/A
CBDA	0.000012	ND	ND	N/A
CBDV	0.000017	ND	ND	N/A
CBG	0.000015	ND	ND	N/A
CBN	0.000009	ND	ND	N/A
d8-THC	0.000246	ND	ND	N/A
THCV	0.000015	ND	ND	N/A

Sample Prepared By: 040	Date/Time: 1/22/2024 9:44	Sample Analyzed By: 040	Date/Time: 1/22/2024 10:29
Batch Reviewed By: 027	Date/Time: 1/22/2024 13:19	Analysis # Potency 1.batch.bin	
Specimen wt (g): 0.1003		Dilution: 1000	
Analysis Method: TM-001 Potency		Instrument Used: HPLC	

POTENCY SUMMARY

Total THC 73.8%	Total THC/Unit 738 mg	THC Label Claim N/A N/A	Total Cannabinoids 88.1%
Total CBD 0.000%	Total CBD/Unit N/A	CBD Label Claim N/A N/A	Total Cannabinoids/Unit 880.38 mg

TERPENES SUMMARY

Analyte	Result (ug/g)	Result %
E-Caryophyllene	23110	2.310
beta-Myrcene	15940	1.590
D-Limonene	10600	1.060
alpha-Humulene	7656	0.766
Linalool	5972	0.597
alpha-Bisabolol	1772	0.177
beta-Pinene	1684	0.168
alpha-Pinene	1455	0.146
Terpineol	1077	0.108
Endo-Fenchyl Alcohol	1051	0.105

Total Terpenes: 7.13%

Showing top 10 Terpenes, full analysis on the following page.

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PJLA Testing
Accreditation #111022

Roy Sorensen **Lab Director** **01/22/2024 19:47**

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Batch #: 5097017581429132
Lot ID: 6809 4019 7804 9783

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Address: Eustis, FL 32736

Batch Date: 1/19/2024
Extracted From: 6809 4019 7804 978
Cultivars: Blue Zushi
Description: Blue Zushi 1g Live Rosin Badder

Sampling Method: LAB-028
Matrix: Extract
Test Reg State: Cannabis FL

Cultivation Facility: Eustis
Cultivation Date: 1/17/2024
Production Facility: Eustis
Production Date: 1/17/2024

TERPENES — TESTED

Analyte	LOD (ug/g)	Result (ug/g)	Result %	Analyte	LOD (ug/g)	Result (ug/g)	Result %
alpha-Pinene	8	1455	0.146	Camphene	10	328.2	0.033
Isopulegol	59	ND	ND	delta-3-Carene	16	ND	ND
alpha-Terpinene	94	ND	ND	Eucalyptol	56	ND	ND
gamma-Terpinene	6	ND	ND	alpha-terpinolene	17	< LOQ	< LOQ
Linalool	18	5972	0.597	Geraniol	13	178.5	0.018
alpha-Humulene	21	7656	0.766	Z-Nerolidol	22	ND	ND
Menthol	44	ND	ND	E-Nerolidol	19	378.4	0.038
Guaiol	24	ND	ND	E-Caryophyllene	31	23110	2.310
Nerol	25	ND	ND	alpha-Bisabolol	20	1772	0.177
Valencene	27	ND	ND	D-Limonene	15	10600	1.060
alpha-Cedrene	20	ND	ND	Sabinene	29	ND	ND
Endo-Fenchyl Alcohol	40	1051	0.105	Terpineol	31	1077	0.108
Pulegone	11	ND	ND	[+/-]-Camphor	62	ND	ND
Isoborneol	74	ND	ND	(+/-)-Fenchone	21	ND	ND
Ocimenes	31	ND	ND	Cedrol	7	ND	ND
Farnesene	130	ND	ND	Geranyl acetate	19	ND	ND
alpha-Phellandrene	19	ND	ND	beta-Pinene	26	1684	0.168
beta-Myrcene	50	15940	1.590	Caryophyllene Oxide	191	< LOQ	< LOQ
(+/-)-Borneol	15	100.6	0.010	Sabinene Hydrate	21	ND	ND

Total Terpenes: 7.13 %

Sample Prepared By: 048	Date/Time: 1/22/2024 13:36	Sample Analyzed By: 039	Date/Time: 1/22/2024 14:11
Batch Reviewed By: 027	Date/Time: 1/22/2024 15:27	Analysis # 01192024 Terp 1.batch.bin	
Specimen wt: 0.5320		Dilution: 50	
Analysis Method: TM-004 Terpenes		Instrument Used: LI-GCMS	

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Batch Date: 1/19/2024
Extracted From: 6809 4019 7804 978
Cultivars: Blue Zushi
Description: Blue Zushi 1g Live Rosin Badder

Sampling Method: LAB-028
Matrix: Extract
Test Reg State: Cannabis FL

Cultivation Facility: Eustis
Cultivation Date: 1/17/2024
Production Facility: Eustis
Production Date: 1/17/2024

PESTICIDES — PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Abamectin	7.5	100	ND	Pass
Acequinocyl	5.5	100	ND	Pass
Aldicarb	8.2	100	ND	Pass
Bifenazate	5.8	100	ND	Pass
Boscalid	8.7	100	ND	Pass
Carbaryl	7.5	500	ND	Pass
Chlorantraniliprole	9.4	1000	ND	Pass
Chlorfenapyr	6.8	100	ND	Pass
Chlorpyrifos	8.3	100	ND	Pass
Coumaphos	3.9	100	ND	Pass
Cypermethrin	14	500	ND	Pass
Diazinon	6.9	100	ND	Pass
Dimethoate	6.9	100	ND	Pass
Ethoprophos	6.6	100	ND	Pass
Etoxazole	6.3	100	ND	Pass
Fenoxycarb	9.4	100	ND	Pass
Fipronil	8.3	100	ND	Pass
Fludioxonil	8.5	100	ND	Pass
Imazalil	10.3	100	ND	Pass
Kresoxim-methyl	8.6	100	ND	Pass
Metalaxyl	10	100	ND	Pass
Methomyl	3.5	100	ND	Pass
Mevinphos	5.7	100	ND	Pass
Naled	15.1	250	ND	Pass
Paclobutrazol	9.9	100	ND	Pass
Permethrin	8.3	100	ND	Pass
Piperonylbutoxide	3.1	3000	ND	Pass
Propiconazole	7	100	ND	Pass
Pyrethrins	7.3	500	ND	Pass
Spinetoram	3.3	200	ND	Pass
Spiromesifen	9.7	100	ND	Pass
Spiroxamine	3.4	100	ND	Pass
Thiacloprid	3.8	100	ND	Pass
Trifloxystrobin	9	100	ND	Pass
Acephate	8.3	100	ND	Pass
Acetamiprid	5	100	ND	Pass
Azoxystrobin	6.4	100	ND	Pass
Bifenthrin	6.4	100	ND	Pass
Captan	13.3	700	ND	Pass
Carbofuran	2.6	100	ND	Pass
Chlordane	10	100	ND	Pass
Chlormequat chloride	4.9	1000	ND	Pass
Clofentezine	9.2	200	ND	Pass
Cyfluthrin	7.6	500	ND	Pass
Daminozide	9	100	ND	Pass
Dichlorvos	6.4	100	ND	Pass
Dimethomorph	4	200	ND	Pass
Etofenprox	8.8	100	ND	Pass
Fenhexamid	7.8	100	ND	Pass
Fenpyroximate	12.9	100	ND	Pass
Flonicamid	7.4	100	ND	Pass
Hexythiazox	6.4	100	ND	Pass
Imidacloprid	8.6	400	ND	Pass
Malathion	6.1	200	ND	Pass
Methiocarb	9.6	100	ND	Pass
Methyl parathion	9.1	100	ND	Pass
Myclobutanil	7	100	ND	Pass
Oxamyl	2.2	500	ND	Pass
Pentachloronitrobenzene	8.4	150	ND	Pass
Phosmet	8.2	200	ND	Pass
Prallethrin	9.7	100	ND	Pass
Propoxur	4	100	ND	Pass
Pyridaben	8.1	200	ND	Pass
Spinosad A and D	7.3	100	ND	Pass
Spirotetramat	9.5	100	ND	Pass
Tebuconazole	6.6	100	ND	Pass
Thiamethoxam	1.4	500	ND	Pass

Sample Prepared By: 025 Date/Time: 1/22/2024 14:25 Specimen wt (g): 1.0035 Dilution: 125 Analysis # 2024_01_20 GC2 PEST1.batch.bin
Sample Analyzed By: 025 Date/Time: 1/22/2024 14:38 Analysis Method: TM-003 Pesticides
Batch Reviewed By: 027 Date/Time: 1/22/2024 16:56 Instrument Used: GC/MS/MS

Sample Prepared By: 025 Date/Time: 1/22/2024 14:25 Specimen wt (g): 1.0035 Dilution: 125 Analysis # 2024_01_20 LC1 PEST1.batch.bin
Sample Analyzed By: 025 Date/Time: 1/22/2024 14:38 Analysis Method: TM-002 Pesticides and Mycotoxins
Batch Reviewed By: 027 Date/Time: 1/22/2024 16:56 Instrument Used: LC/MS/MS

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Address: Eustis, FL 32736

Batch Date: 1/19/2024
Extracted From: 6809 4019 7804 978
Cultivars: Blue Zushi
Description: Blue Zushi 1g Live Rosin Badder

Sampling Method: LAB-028
Matrix: Extract
Test Reg State: Cannabis FL

Cultivation Facility: Eustis
Cultivation Date: 1/17/2024
Production Facility: Eustis
Production Date: 1/17/2024

HEAVY METALS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Lead	20.7	500	ND	Pass
Arsenic	26.2	200	ND	Pass
Cadmium	18.9	200	ND	Pass
Mercury	28.4	200	ND	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
028	1/20/2024 15:32	037	1/22/2024 11:00
Batch Reviewed By:	Date/Time:	Analysis #	
027	1/22/2024 14:29	ICPMS_1	
Specimen wt (g):		Dilution:	
0.1446		50	
Analysis Method:		Instrument Used:	
TM-006 Heavy Metals		ICP-MS	

TOTAL CONTAMINANT LOAD

Analyte	Action Level (mg/kg)	Result (mg/kg)	Status
Heavy Metals/Pesticides	5	0	Pass

RESIDUAL SOLVENTS PASSED

Analyte	LOD (mg/kg)	Action Level (mg/kg)	Result (mg/kg)	Status
Acetone	15.2	750	ND	Pass
Acetonitrile	10.3	60	ND	Pass
Benzene	0.1	1	ND	Pass
Butane	22.5	5000	ND	Pass
Chloroform	0.1	2	ND	Pass
1,2-Dichloroethane	0.2	2	ND	Pass
1,1-Dichloroethene	0.3	8	ND	Pass
Ethanol	17.8	5000	ND	Pass
Ethyl acetate	15.3	400	ND	Pass
Ethyl ether	18.9	500	ND	Pass
Ethylene oxide	0.2	5	ND	Pass
Heptane	29.4	5000	ND	Pass
Hexane	27.1	250	ND	Pass
Isopropyl alcohol	15.4	500	ND	Pass
Methanol	22.9	250	ND	Pass
Methylene chloride	0.1	125	ND	Pass
Pentane	27.6	750	ND	Pass
Propane	17.6	5000	ND	Pass
Trichloroethylene	0.1	25	ND	Pass
Toluene	22.6	150	ND	Pass
Total xylenes	20.0	150	ND	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
048	1/22/2024 9:40	048	1/22/2024 10:48
Batch Reviewed By:	Date/Time:	Analysis #	
027	1/22/2024 14:29	01202024 RSA 1.batch.bin	
Specimen wt (g):		Dilution:	
0.2839		5	
Analysis Method:		Instrument Used:	
TM-005 Residual Solvents		HS-GCMS	

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Test Reg State: Cannabis FL

Cultivation Facility: Eustis
Cultivation Date: 1/17/2024
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Production Date: 1/17/2024

MYCOTOXINS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Aflatoxin B1	1.5	20	ND	Pass
Aflatoxin B2	2.7	20	ND	Pass
Aflatoxin G1	2.5	20	ND	Pass
Aflatoxin G2	2.5	20	ND	Pass
Ochratoxin A	2.9	20	ND	Pass
Total Aflatoxin				N/A

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
025	1/22/2024 14:25	025	1/22/2024 16:41
Batch Reviewed By:	Date/Time:	Analysis #	
027	1/22/2024 16:47	2024_01_20 LC1 PEST1.batch.bin	
Specimen wt (g):		Dilution:	
1.0035		125	
Analysis Method:		Instrument Used:	
TM-002 Pesticides and Mycotoxins		LC/MS/MS	

TOTAL YEAST AND MOLD PASSED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Combined Yeasts & Molds	100000	ND	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
022	1/22/2024 12:00	022	1/22/2024 12:03
Batch Reviewed By:	Date/Time:	Analysis #	
027	1/22/2024 14:29	3	
Specimen wt (g):		Dilution:	
1.05		4000	
Analysis Method:		Instrument Used:	
FL-TM-20		Reader	

MICROBIAL PASSED

Analyte	Action Level (present in 1 g)	Result (present in 1 g)	Status
Salmonella	Present	Absent	Pass
Shiga Toxin E. coli	Present	Absent	Pass
Total Aspergillus*	Present	Absent	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
022	1/22/2024 14:43	022	1/22/2024 14:45
Batch Reviewed By:	Date/Time:	Analysis #	
027	1/22/2024 16:36	1	
Specimen wt (g):		Dilution:	
1.05		1	
Analysis Method:		Instrument Used:	
TM-011 Microbiology		qPCR	

* Total Aspergillus represents the sum of the results of Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus.

FILTH & FOREIGN MATERIAL PASSED

Analyte	Action Level	Result	Status
Feces Amount (mg/kg)	0.5	0.000	Pass
Filth (%)	1	0.000	Pass

Sample Analyzed By:	Date/Time:	
031	1/22/2024 16:01	
Batch Reviewed By:	Date/Time:	Analysis #
027	1/22/2024 16:01	FF
Specimen wt (g):		
15.0		
Analysis Method:		Instrument Used:
TM-010 Filth and Foreign Material		Electronic Balance

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Test Reg State: Cannabis FL

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Cultivation Date: 1/17/2024
Production Facility: Eustis
Production Date: 1/17/2024

WATER ACTIVITY — PASSED

Analyte	Action Level (aw)	Result (aw)	Status
Water Activity	0.85	0.34	Pass

Sample Analyzed By: 045	Date/Time 1/20/2024 16:42		
Batch Reviewed By: 027	Date/Time: 1/21/2024 15:48	Analysis # WA	
Specimen wt (g): 1.02			
Analysis Method: TM-007 Water Activity		Instrument Used: Water Activity Probe	

MOISTURE — NOT TESTED

Analyte	Action Level (%)	Result (%)	Status
Moisture Content			N/A

Sample Analyzed By:	Date/Time:		
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):			
Analysis Method:		Instrument Used:	

TOTAL AEROBIC BACTERIA — NOT TESTED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Aerobic Bacteria			N/A

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):		Dilution:	
Analysis Method:		Instrument Used:	

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation; (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).

PJLA Testing
Accreditation #111022

Roy Sorensen **Lab Director** **01/22/2024 19:47**