



Certificate of Analysis

Order # 2408HBR0004 Receipt Date: 8/26/2024 11:08 Product Name: CBD Vital Gummies 1500
Order Date: 8/26/2024 Completion Date: 09/12/2024 19:00 Seed to Sale #:
Sample # 2408HBR0004-001 Initial Gross Weight: 307.6 g Batch #: P240269
Sampling Date: 8/26/2024 00:08 Total Batch Wgt or Vol: Lot ID: P240269

Client: Zen Organics Inc Batch Date: 8/26/2024 Sampling Method: LAB-025 Cultivation Facility:
Address: 1309 Coffeen Ave Extracted From: Matrix: Edible Gummy Cultivation Date:
Address: Sheridan, WY 82801 Cultivars: Test Reg State: Hemp FL Production Facility:
Description: Broad spectrum CBD Production Date:

SUMMARY



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

POTENCY TESTED

Analyte	LOD (mg/g)	Result (mg/g)	Result %	mg/unit
CBD	0.00001	4.52	0.452	23.16
CBC	0.000004	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
CBGA	0.000008	ND	ND	N/A
CBN	0.000009	ND	ND	N/A
d8-THC	0.000246	ND	ND	N/A
d9-THC	0.00002	ND	ND	N/A
THCA	0.000012	ND	ND	N/A
THCV	0.000015	ND	ND	N/A

Sample Prepared By: Date/Time: **Sample Analyzed By:** Date/Time:
023 8/28/2024 10:45 023 8/28/2024 10:55
Batch Reviewed By: Date/Time: **Analysis #**
012 8/28/2024 12:19 08272024 Potency.batch.bin
Specimen wt (g): **Dilution:**
0.5375 100
Analysis Method: **Instrument Used:**
TM-001 Potency HPLC

POTENCY SUMMARY

Total THC 0.000%	Total THC/Unit N/A	THC Label Claim N/A	Total Cannabinoids 0.452%
Total CBD 0.452%	Total CBD/Unit 23.16 mg	CBD Label Claim N/A	Total Cannabinoids/Unit 23.161 mg

TERPENES SUMMARY

Analyte	Result	Result %
(+/-)-Borneol		
(+/-)-Fenchone		
[+/-]-Camphor		
alpha-Bisabolol		
alpha-Cedrene		
alpha-Humulene		
alpha-Phellandrene		
alpha-Pinene		
alpha-Terpinene		
alpha-terpinolene		

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

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Address: 1309 Coffeen Ave	Extracted From:	Matrix: Edible Gummy	Cultivation Date:
Address: Sheridan, WY 82801	Cultivars:	Test Reg State: Hemp FL	Production Facility:
	Description: Broad spectrum CBD		Production Date:

TERPENES				NOT TESTED			
Analyte	LOD	Result	Result %	Analyte	LOD	Result	Result %
alpha-Pinene				Camphene			
Isopulegol				delta-3-Carene			
alpha-Terpinene				Eucalyptol			
gamma-Terpinene				alpha-terpinolene			
Linalool				Geraniol			
alpha-Humulene				Z-Nerolidol			
Menthol				E-Nerolidol			
Guaiol				E-Caryophyllene			
Nerol				alpha-Bisabolol			
Valencene				D-Limonene			
alpha-Cedrene				Sabinene			
Endo-Fenchyl Alcohol				Terpineol			
Pulegone				[+/-]-Camphor			
Isoborneol				(+/-)-Fenchone			
Ocimenes				Cedrol			
Farnesene				Geranyl acetate			
alpha-Phellandrene				beta-Pinene			
beta-Myrcene				Caryophyllene Oxide			
(+/-)-Borneol				Sabinene Hydrate			

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:	Total Terpenes:	%
Batch Reviewed By:	Date/Time:	Analysis #			
Specimen wt:		Dilution:			
Analysis Method:		Instrument Used:			

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Sampling Date: 8/26/2024 00:08	Total Batch Wgt or Vol:	Lot ID: P240269

Client: Zen Organics Inc	Batch Date: 8/26/2024	Sampling Method: LAB-025	Cultivation Facility:
Address: 1309 Coffeen Ave	Extracted From:	Matrix: Edible Gummy	Cultivation Date:
Address: Sheridan, WY 82801	Cultivars:	Test Reg State: Hemp FL	Production Facility:
	Description: Broad spectrum CBD		Production Date:

PESTICIDES					NOT TESTED				
Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status	Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Abamectin				N/A	Acephate				
Acequinocyl				N/A	Acetamiprid				
Aldicarb				N/A	Azoxystrobin				
Bifenazate				N/A	Bifenthrin				
Boscalid				N/A	Captan				
Carbaryl				N/A	Carbofuran				
Chlorantraniliprole				N/A	Chlordane				
Chlorfenapyr				N/A	Chlormequat chloride				
Chlorpyrifos				N/A	Clofentazine				
Coumaphos				N/A	Cyfluthrin				
Cypermethrin				N/A	Daminozide				
Diazinon				N/A	Dichlorvos				
Dimethoate				N/A	Dimethomorph				
Ethoprophos				N/A	Etofenprox				
Etoxazole				N/A	Fenhexamid				
Fenoxycarb				N/A	Fenpyroximate				
Fipronil				N/A	Fonicamid				
Fludioxonil				N/A	Hexythiazox				
Imazalil				N/A	Imidacloprid				
Kresoxim-methyl				N/A	Malathion				
Metalaxyl				N/A	Methiocarb				
Methomyl				N/A	Methyl parathion				
Mevinphos				N/A	Myclobutanil				
Naled				N/A	Oxamyl				
Paclobutrazol				N/A	Pentachloronitrobenzene				
Permethrin				N/A	Phosmet				
Piperonylbutoxide				N/A	Prallethrin				
Propiconazole				N/A	Propoxur				
Pyrethrins				N/A	Pyridaben				
Spinetoram				N/A	Spinosad A and D				
Spiromesifen				N/A	Spirotetramat				
Spiroxamine				N/A	Tebuconazole				
Thiacloprid				N/A	Thiamethoxam				
Trifloxystrobin				N/A					

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

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Roy Sorensen
Roy Sorensen **Lab Director**

09/12/2024 19:00



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Sample # 2408HBR0004-001	Initial Gross Weight: 307.6 g	Batch #: P240269
Sampling Date: 8/26/2024 00:08	Total Batch Wgt or Vol:	Lot ID: P240269

Client: Zen Organics Inc	Batch Date: 8/26/2024	Sampling Method: LAB-025	Cultivation Facility:
Address: 1309 Coffeen Ave	Extracted From:	Matrix: Edible Gummy	Cultivation Date:
Address: Sheridan, WY 82801	Cultivars:	Test Reg State: Hemp FL	Production Facility:
	Description: Broad spectrum CBD		Production Date:

HEAVY METALS		NOT TESTED		
Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status

Lead				N/A
Arsenic				N/A
Cadmium				N/A
Mercury				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:	

RESIDUAL SOLVENTS		NOT TESTED		
Analyte	LOD (mg/kg)	Action Level (mg/kg)	Result (mg/kg)	Status

Acetone				N/A
Acetonitrile				N/A
Benzene				N/A
Butane				N/A
Chloroform				N/A
1,2-Dichloroethane				N/A
1,1-Dichloroethene				N/A
Ethanol				N/A
Ethyl acetate				N/A
Ethyl ether				N/A
Ethylene oxide				N/A
Heptane				N/A
Hexane				N/A
Isopropyl alcohol				N/A
Methanol				N/A
Methylene chloride				N/A
Pentane				N/A
Propane				N/A
Trichloroethylene				N/A
Toluene				N/A
Total xylenes				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:	

TOTAL CONTAMINANT LOAD			
Analyte	Action Level (mg/kg)	Result (mg/kg)	Status
Heavy Metals/Pesticides			N/A

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[Signature]
Roy Sorensen **Lab Director** **09/12/2024 19:00**



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Address: Sheridan, WY 82801	Cultivars:	Test Reg State: Hemp FL	Production Facility:
	Description: Broad spectrum CBD		Production Date:

MYCOTOXINS		NOT TESTED		
Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Aflatoxin B1				N/A
Aflatoxin B2				N/A
Aflatoxin G1				N/A
Aflatoxin G2				N/A
Ochratoxin A				N/A
Total Aflatoxin				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:			

TOTAL YEAST AND MOLD		NOT TESTED		
Analyte	Action Level (cfu/g)	Result (cfu/g)	Status	
Total Combined Yeasts & Molds			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:			

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:	
043	8/28/2024 10:52	043	8/28/2024 12:08	
Batch Reviewed By:	Date/Time:	Analysis #		
012	8/28/2024 12:44	2		
Specimen wt (g):	Dilution:			
1.03	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		NOT TESTED		
Analyte	Action Level	Result	Status	
Feces Amount (mg/kg)			N/A	
Filth (%)			N/A	
Foreign Material (per 3g)			N/A	
Sample Analyzed By:	Date/Time:			
Batch Reviewed By:	Date/Time:	Analysis #		
Specimen wt (g):				
Analysis Method:	Instrument Used:			

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Address: Sheridan, WY 82801	Cultivars:	Test Reg State: Hemp FL	Production Facility:
	Description: Broad spectrum CBD		Production Date:

WATER ACTIVITY		NOT TESTED	
Analyte	Action Level (aw)	Result (aw)	Status
Water Activity			N/A
Sample Analyzed By:	Date/Time		
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):			
Analysis Method:		Instrument Used:	

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:
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Specimen wt (g):		Dilution:	
Analysis Method:		Instrument Used:	

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