



CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

TN.CBGCBD.FS50	CG77(A)	NR: Not Reported NA: Not Available
1:1 CBG:CBD FULL SPECTRUM TINCTURE	1 ML	LOQ: Limit Of Quantitation LOD: Limit Of Detection
LABORATORY: COLUMBIA LABORATORIES	OREGON ACCREDITATION: OR100028	1 g = 10 ⁻³ kg = 10 ³ mg = 10 ⁶ µg 1 mg/kg = 1 ppm = 1000 ppb

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	28.4 mg/serving	27.0 mg/g	N/A
Total THC (d9-THC, d8-THC, THCA)	1.14 mg/serving	1.08 mg/g	3 mg/g
Cannabigerol (CBG)	28.0 mg/serving	26.6 mg/g	N/A
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	N/A
Cannabichromene (CBC)	1.21 mg/serving	1.15 mg/g	N/A
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	N/A
Delta-9-THC (d9-THC)	1.14 mg/serving	1.08 mg/g	N/A
Delta-8-THC (d8-THC)	<LOQ mg/serving	<LOQ mg/g	N/A

HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	<LOQ µg/serving	<LOQ µg/g	10 µg/day ^[1]
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day ^[1]
Lead	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day ^[2]
Mercury	<LOQ µg/serving	<LOQ µg/g	2 µg/day ^[1]

PESTICIDES	REGULATORY ACTION LEVEL
None of the 59 pesticides tested found above limit of quantitation in the sample.	10 ppb ^[1]

RESIDUAL SOLVENTS
None of the 36 residual solvents tested found above limit of quantitation in the sample.

MICROBIAL	PASS/FAIL
Yeast & Mold	Pass
Coliform	Pass
Water Activity	Pass

TERPENES	% OF SAMPLE
Farnesene	0.0937%
β-Caryophyllene	0.0621%
a-Bisabolol	0.0456%

TERPENES	% OF SAMPLE
Guaiol	<LOQ
Humulene	0.0224%
Caryophyllene Oxide	<LOQ%

1. American Herbal Pharmacopoeia. (2014). *Cannabis Inflorescence: Standards of Identity, Analysis, and Quality Control*. Washington DC: AHP.
2. US Food and Drug Administration. (2019). *Lead in Food, Foodwares, and Dietary Supplements*. Washington DC: FDA. US Food and Drug Administration. (2019). *Lead in Food, Foodwares, and Dietary Supplements*. Washington DC: FDA.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 20-008264/D03.R00
Report Date: 08/12/2020
ORELAP#: OR100028
Purchase Order:
Received: 08/06/20 16:00

Customer: Etz Hayim Holdings
Product identity: CG77(A)TN.CBG.CBD.FS50
Client/Metric ID: FORM-8/3/20-CG77(A)
Laboratory ID: 20-008264-0001

Sample Date: 08/06/20 13:30

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml	1.21		mg/1ml		CBD-Total per 1ml 28.4 mg/1ml
CBD per 1ml	28.4		mg/1ml		THC-Total per 1ml 1.14 mg/1ml
CBDV per 1ml	0.0935		mg/1ml		(Reported in milligrams per serving)
CBG per 1ml	28.0		mg/1ml		
CBL per 1ml	0.0431		mg/1ml		
Δ9-THC per 1ml	1.14		mg/1ml		

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Report Number: 20-008264/D03.R00
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ORELAP#: OR100028
Purchase Order:
Received: 08/06/20 16:00



Customer: Etz Hayim Holdings

Product identity: CG77(A)TN.CBG.CBD.FS50
Client/Metric ID: FORM-8/3/20-CG77(A)
Sample Date: 08/06/20 13:30
Laboratory ID: 20-008264-0001
Relinquished by: Ryan Lavigne
Temp: 19.2 °C
Serving Size #1: 0.95 g
Density: 0.950 g/ml

Sample Results

Potency per 1ml					
Method J AOAC 2015 V98-6 (mod) Batch: 2006609 Analyze: 8/11/20 11:30:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	1.21		mg/1ml	0.0306	
CBC-A per 1ml	< LOQ		mg/1ml	0.0306	
CBC-Total per 1ml	1.21		mg/1ml	0.0575	
CBD per 1ml	28.4		mg/1ml	0.306	
CBD-A per 1ml	< LOQ		mg/1ml	0.0306	
CBD-Total per 1ml	28.4		mg/1ml	0.333	
CBDV per 1ml	0.0935		mg/1ml	0.0306	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0306	
CBDV-Total per 1ml	0.0935		mg/1ml	0.0572	
CBG per 1ml	28.0		mg/1ml	0.306	
CBG-A per 1ml	< LOQ		mg/1ml	0.0306	
CBG-Total per 1ml	28.0		mg/1ml	0.333	
CBL per 1ml	0.0431		mg/1ml	0.0306	
CBN per 1ml	< LOQ		mg/1ml	0.0306	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.0306	
Δ9-THC per 1ml	1.14		mg/1ml	0.0306	
THC-A per 1ml	< LOQ		mg/1ml	0.0306	
THC-Total per 1ml	1.14		mg/1ml	0.0575	
THCV per 1ml	< LOQ		mg/1ml	0.0306	
THCV-A per 1ml	< LOQ		mg/1ml	0.0306	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0575	
Total Cannabinoids 1ml[†]	58.9		mg/1ml		

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Report Number: 20-008264/D04.R00
Report Date: 08/17/2020
ORELAP#: OR100028
Purchase Order:
Received: 08/06/20 16:00

Customer: Etz Hayim Holdings
Product identity: CG77(A)TN.CBG.CBD.FS50
Client/Metric ID: FORM-8/3/20-CG77(A)
Laboratory ID: 20-008264-0003

Sample Date: 08/06/20 13:30

Summary

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.



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Report Number: 20-008264/D04.R00
Report Date: 08/17/2020
ORELAP#: OR100028
Purchase Order:
Received: 08/06/20 16:00



Customer: Etz Hayim Holdings

Product identity: CG77(A)TN.CBG.CBD.FS50
Client/Metric ID: FORM-8/3/20-CG77(A)
Sample Date: 08/06/20 13:30
Laboratory ID: 20-008264-0003
Relinquished by: Ryan Lavigne
Temp: 19.2 °C

Sample Results

Solvents		Method EPA5021A				Units µg/g	Batch 2006631	Analyze 08/13/20 10:44 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethanol ¹	< LOQ		200		
Ethyl acetate	< LOQ	5000	200	pass		Ethyl benzene	< LOQ		200		
Ethyl ether	< LOQ	5000	200	pass		Ethylene glycol	< LOQ	620	200	pass	
Ethylene oxide	< LOQ	50.0	30.0	pass		Hexanes (sum)	< LOQ	290	150	pass	
Isopropyl acetate	< LOQ	5000	200	pass		Isopropylbenzene	< LOQ	70.0	30.0	pass	
m,p-Xylene	< LOQ		200			Methanol	< LOQ	3000	200	pass	
Methylene chloride	< LOQ	600	200	pass		Methylpropane	< LOQ		200		
n-Butane	< LOQ		200			n-Heptane	< LOQ	5000	200	pass	
n-Hexane	< LOQ		30.0			n-Pentane	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass	
Propane	< LOQ	5000	200	pass		Tetrahydrofuran	< LOQ	720	100	pass	
Toluene	< LOQ	890	100	pass		Total Xylenes	< LOQ		400		
Total Xylenes and Ethyl	< LOQ	2170	600	pass							

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Report Number: 20-008264/D04.R00
Report Date: 08/17/2020
ORELAP#: OR100028
Purchase Order:
Received: 08/06/20 16:00



Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2006726 Analyze 08/17/20 03:05 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes		
Arsenic	< LOQ		mg/kg	0.0472	2006707	08/14/20	AOAC 2013.06 (mod.)	X		
Cadmium	< LOQ		mg/kg	0.0472	2006707	08/14/20	AOAC 2013.06 (mod.)	X		
Lead	< LOQ		mg/kg	0.0472	2006707	08/14/20	AOAC 2013.06 (mod.)	X		
Mercury	< LOQ		mg/kg	0.0236	2006707	08/14/20	AOAC 2013.06 (mod.)	X		

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503-254-1794



Report Number: 20-008264/D05.R00
Report Date: 08/17/2020
ORELAP#: OR100028
Purchase Order:
Received: 08/06/20 16:00

Customer: Etz Hayim Holdings
Product identity: CG77(A)TN.CBG.CBD.FS50
Client/Metric ID: FORM-8/3/20-CG77(A)
Laboratory ID: 20-008264-0002

Sample Date: 08/06/20 13:30

Summary

Microbiology:

Less than LOQ for all analytes.



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Report Number: 20-008264/D05.R00
Report Date: 08/17/2020
ORELAP#: OR100028
Purchase Order:
Received: 08/06/20 16:00

Customer: Etz Hayim Holdings

Product identity: CG77(A)TN.CBG.CBD.FS50
Client/Metric ID: FORM-8/3/20-CG77(A)
Sample Date: 08/06/20 13:30
Laboratory ID: 20-008264-0002
Relinquished by: Ryan Lavigne
Temp: 19.2 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2006622	08/15/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2006622	08/15/20	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2006621	08/15/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2006621	08/15/20	AOAC 2014.05 (RAPID)	X



12423 NE Whitaker Way
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503-254-1794



Report Number: 20-009332/D01.R00
Report Date: 09/08/2020
ORELAP#: OR100028
Purchase Order:
Received: 09/01/20 16:45

Customer: Etz Hayim Holdings
Product identity: CG77(A)
Client/Metric ID: TN.CBGCBD.FS50
Laboratory ID: 20-009332-0001

Sample Date: 09/01/20 12:48

Summary

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
farnesene [†]	0.0937	41.83%	β-Caryophyllene [†]	0.0621	27.72%
α-Bisabolol [†]	0.0456	20.36%	Humulene [†]	0.0224	10.00%
Total Terpenes[†]	0.224	100.00%			



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Report Number: 20-009332/D01.R00
Report Date: 09/08/2020
ORELAP#: OR100028
Purchase Order:
Received: 09/01/20 16:45

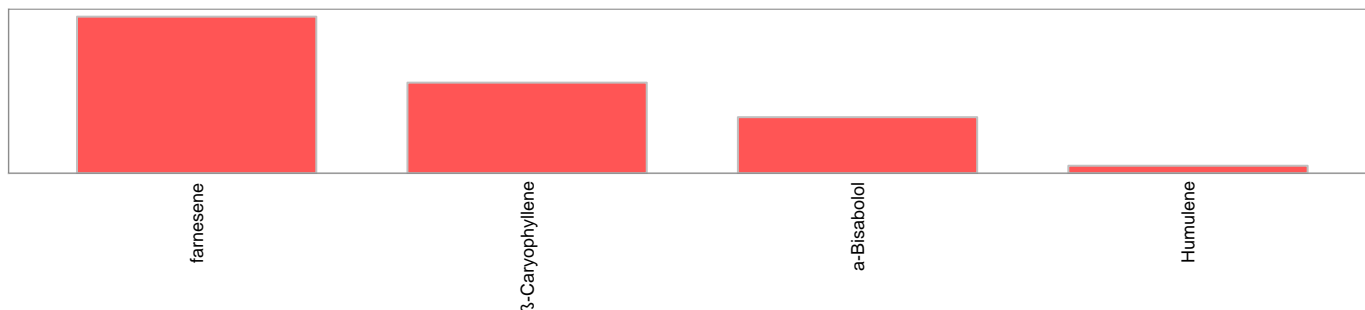


Customer: Etz Hayim Holdings

Product identity: CG77(A)
Client/Metric ID: TN.CBGCBD.FS50
Sample Date: 09/01/20 12:48
Laboratory ID: 20-009332-0001
Temp: 16.9 °C
Relinquished by: Preston Stover

Sample Results

Terpenes				Method J AOAC 2015 V98-6		Units %		Batch 2007199		Analyze 09/02/20 09:59 AM	
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes		
farnesene [†]	0.0937	0.020	41.83%		β-Caryophyllene [†]	0.0621	0.020	27.72%			
α-Bisabolol [†]	0.0456	0.020	20.36%		Humulene [†]	0.0224	0.020	10.00%			
(-)-α-Terpineol [†]	< LOQ	0.020	0.00%		(-)-caryophyllene oxide [†]	< LOQ	0.020	0.00%			
(-)-Guaiol [†]	< LOQ	0.020	0.00%		(-)-Isopulegol [†]	< LOQ	0.020	0.00%			
(-)-β-Pinene [†]	< LOQ	0.020	0.00%		(+)-Borneol [†]	< LOQ	0.020	0.00%			
(+)-Cedrol [†]	< LOQ	0.020	0.00%		(+)-fenchol [†]	< LOQ	0.020	0.00%			
(+)-Pulegone [†]	< LOQ	0.020	0.00%		(±)-Camphor [†]	< LOQ	0.020	0.00%			
(±)-cis-Nerolidol [†]	< LOQ	0.020	0.00%		(±)-fenchone [†]	< LOQ	0.020	0.00%			
(±)-trans-Nerolidol [†]	< LOQ	0.020	0.00%		(R)-(+)-Limonene [†]	< LOQ	0.020	0.00%			
α-cedrene [†]	< LOQ	0.020	0.00%		α-phellandrene [†]	< LOQ	0.020	0.00%			
α-pinene [†]	< LOQ	0.020	0.00%		α-Terpinene [†]	< LOQ	0.020	0.00%			
Camphene [†]	< LOQ	0.020	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%			
d-3-Carene [†]	< LOQ	0.020	0.00%		Eucalyptol [†]	< LOQ	0.020	0.00%			
γ-Terpinene [†]	< LOQ	0.020	0.00%		Geraniol [†]	< LOQ	0.020	0.00%			
Geranyl acetate [†]	< LOQ	0.020	0.00%		Isoborneol [†]	< LOQ	0.020	0.00%			
Linalool [†]	< LOQ	0.020	0.00%		Menthol [†]	< LOQ	0.020	0.00%			
nerol [†]	< LOQ	0.020	0.00%		p-Cymene [†]	< LOQ	0.020	0.00%			
Sabinene [†]	< LOQ	0.020	0.00%		Sabinene hydrate [†]	< LOQ	0.020	0.00%			
β-Myrcene [†]	< LOQ	0.020	0.00%		Terpinolene [†]	< LOQ	0.020	0.00%			
trans-β-Ocimene [†]	< LOQ	0.013	0.00%		valencene [†]	< LOQ	0.020	0.00%			
Total Terpenes	0.224										



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Testing in accordance with: