



CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

HPTN.CM	CF66(A)	NR: Not Reported NA: Not Available
HIGH POTENCY CHOCOLATE MINT TINCTURE	1ML	LOQ: Limit Of Quantitation LOD: Limit Of Detection
LABORATORY: COLUMBIA LABORATORIES	OREGON ACCREDITATION: OR100028	$1 \text{ g} = 10^{-3} \text{ kg} = 10^3 \text{ mg} = 10^6 \text{ }\mu\text{g}$ $1 \text{ mg/kg} = 1 \text{ ppm} = 1000 \text{ ppb}$

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	52.2 mg/serving	55.2 mg/g	N/A
Total THC (d9-THC + d8-THC)	1.99 mg/serving	2.11 mg/g	3 mg/g
Cannabigerol (CBG)	1.30 mg/serving	1.37 mg/g	N/A
Cannabinol (CBN)	0.06 mg/serving	0.06 mg/g	N/A
Cannabichromene (CBC)	2.17 mg/serving	2.30 mg/g	N/A

HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	<LOQ $\mu\text{g/serving}$	<LOQ $\mu\text{g/g}$	10 $\mu\text{g/day}^{[1]}$
Cadmium	<LOQ $\mu\text{g/serving}$	<LOQ $\mu\text{g/g}$	4.1 $\mu\text{g/day}^{[1]}$
Lead	<LOQ $\mu\text{g/serving}$	<LOQ $\mu\text{g/g}$	3.5 $\mu\text{g/day}^{[2]}$
Mercury	<LOQ $\mu\text{g/serving}$	<LOQ $\mu\text{g/g}$	2 $\mu\text{g/day}^{[1]}$

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
β -Caryophyllene	0.102%
Humulene	0.0410%
(-)-Caryophyllene oxide	0.0328%

TERPENES	% OF SAMPLE
α -Bisabolol	0.0425%
Menthol	0.0349%
(-)-Guaiol	0.0258%

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: 20-006652/D02.R00
Report Date: 07/07/2020
ORELAP#: OR100028
Purchase Order:
Received: 06/26/20 13:35

Customer: Etz Hayim Holdings
Product identity: CF66(A) - HPTN.CM
Client/Metric ID: FORM-0626-CF66(A)
Laboratory ID: 20-006652-0001

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml	2.17		mg/1ml		CBD-Total per 1ml 52.2 mg/1ml
CBD per 1ml	52.2		mg/1ml		THC-Total per 1ml 1.99 mg/1ml
CBDV per 1ml	0.180		mg/1ml		(Reported in milligrams per serving)
CBG per 1ml	1.30		mg/1ml		
CBN per 1ml	0.0565		mg/1ml		
Δ9-THC per 1ml	1.99		mg/1ml		



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Customer: Etz Hayim Holdings

Product identity: CF66(A) - HPTN.CM
Client/Metric ID: FORM-0626-CF66(A)
Sample Date:
Laboratory ID: 20-006652-0001
Evidence of Cooling: No
Temp: 28 °C

Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Batch: 2005579	Analyze: 7/7/20 11:43:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	2.17		mg/1ml	0.0309	
CBC-A per 1ml	< LOQ		mg/1ml	0.0309	
CBC-Total per 1ml	2.17		mg/1ml	0.0579	
CBD per 1ml	52.2		mg/1ml	0.309	
CBD-A per 1ml	< LOQ		mg/1ml	0.0309	
CBD-Total per 1ml	52.2		mg/1ml	0.336	
CBDV per 1ml	0.180		mg/1ml	0.0309	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0309	
CBDV-Total per 1ml	0.180		mg/1ml	0.0576	
CBG per 1ml	1.30		mg/1ml	0.0309	
CBG-A per 1ml	< LOQ		mg/1ml	0.0309	
CBG-Total per 1ml	1.30		mg/1ml	0.0576	
CBL per 1ml	< LOQ		mg/1ml	0.0309	
CBN per 1ml	0.0565		mg/1ml	0.0309	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.0309	
Δ9-THC per 1ml	1.99		mg/1ml	0.0309	
THC-A per 1ml	< LOQ		mg/1ml	0.0309	
THC-Total per 1ml	1.99		mg/1ml	0.0579	
THCV per 1ml	< LOQ		mg/1ml	0.0309	
THCV-A per 1ml	< LOQ		mg/1ml	0.0309	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0579	
Total Cannabinoids 1ml[†]	57.9		mg/1ml		

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Density	0.945		g/ml			06/29/20	Client Provided	

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Report Number: 20-006652/D04.R01
Report Date: 07/16/2020
ORELAP#: OR100028
Purchase Order:
Received: 06/26/20 13:35

This is an amended version of report# 20-006652/D04.R00.
 Reason: Report includes terpene analysis.

Customer: Etz Hayim Holdings
Product identity: CF66(A) - HPTN.CM
Client/Metric ID: FORM-0626-CF66(A)
Laboratory ID: 20-006652-0002

Summary

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Caryophyllene†	0.102	36.56%	α-Bisabolol†	0.0425	15.23%
Humulene†	0.0410	14.70%	Menthol†	0.0349	12.51%
(-)-caryophyllene oxide†	0.0328	11.76%	(-)-Guaiol†	0.0258	9.25%
Total Terpenes†	0.279	100.00%			

Metals:

Less than LOQ for all analytes.

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Report Number: 20-006652/D04.R01
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Received: 06/26/20 13:35



Customer: Etz Hayim Holdings

Product identity: CF66(A) - HPTN.CM
Client/Metric ID: FORM-0626-CF66(A)
Sample Date:
Laboratory ID: 20-006652-0002
Evidence of Cooling: No
Temp: 28 °C

Sample Results

Solvents		Method EPA5021A				Units µg/g	Batch 2005634	Analyze 07/09/20 12:05 PM			
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 ^l	< 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 Date: 07/16/2020
ORELAP#: OR100028
Purchase Order:
Received: 06/26/20 13:35

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2005702 Analyze 07/12/20 02:27 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							

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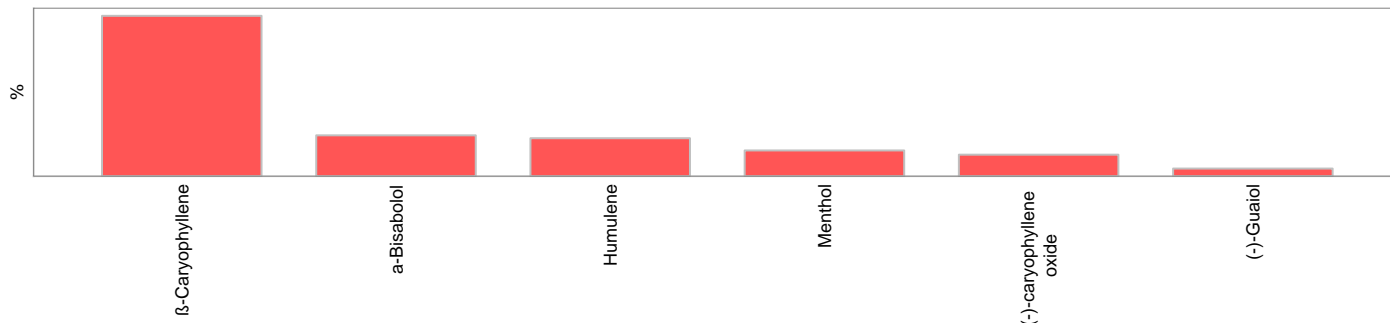


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Report Date: 07/16/2020
ORELAP#: OR100028
Purchase Order:
Received: 06/26/20 13:35



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2005793	Analyze 07/16/20 12:47 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Caryophyllene [†]	0.102	0.020	36.56%		a-Bisabolol [†]	0.0425	0.020	15.23%	
Humulene [†]	0.0410	0.020	14.70%		Menthol [†]	0.0349	0.020	12.51%	
(-)-caryophyllene oxide [†]	0.0328	0.020	11.76%		(-)-Guaiol [†]	0.0258	0.020	9.25%	
(-)-α-Terpineol [†]	< 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%	
farnesene [†]	< 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%	
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	0.279								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.0474	2005681	07/10/20	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0474	2005681	07/10/20	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.0474	2005681	07/10/20	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0237	2005681	07/10/20	AOAC 2013.06 (mod.)	X	

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Purchase Order:
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Customer: Etz Hayim Holdings
Product identity: CF66(A) - HPTN.CM
Client/Metric ID: FORM-0626-CF66(A)
Laboratory ID: 20-006652-0003

Summary

Microbiology:

Less than LOQ for all analytes.



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Product identity: CF66(A) - HPTN.CM
Client/Metric ID: FORM-0626-CF66(A)
Sample Date:
Laboratory ID: 20-006652-0003
Evidence of Cooling: No
Temp: 28 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2005593	07/10/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2005593	07/10/20	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2005594	07/10/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2005594	07/10/20	AOAC 2014.05 (RAPID)	X