



## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>HPTN</b>	<b>BATCH # CI37 (A)</b>	<b>NR: Not Reported</b> <b>NA: Not Available</b>
<b>HIGH POTENCY TINCTURE</b>	<b>1 ML</b>	<b>LOQ: Limit Of Quantitation</b> <b>LOD: Limit Of Detection</b>
<b>LABORATORY: COLUMBIA LABORATORIES</b>	<b>OREGON ACCREDITATION: OR100028</b>	$1 \text{ g} = 10^{-3} \text{ kg} = 10^3 \text{ mg} = 10^6 \text{ }\mu\text{g}$ $1 \text{ mg/kg} = 1 \text{ ppm} = 1000 \text{ ppb}$

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	58.7 mg/serving	54.6 mg/g	N/A
Total THC (d9-THC, d8-THC, THCA)	1.75 mg/serving	1.63 mg/g	3 mg/g
Cannabigerol (CBG)	2.19 mg/serving	2.04 mg/g	N/A
Cannabinol (CBN)	0.110 mg/serving	0.102 mg/g	N/A
Cannabichromene (CBC)	1.97 mg/serving	1.83 mg/g	N/A
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	N/A
Delta-9-THC (d9-THC)	1.75 mg/serving	1.63 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 $\mu\text{g/serving}$	<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	0.0978 $\mu\text{g/serving}$	<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 <sup>[1]</sup>

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	31.73%
$\beta$ -Caryophyllene	23.58%
a-Bisabolol	16.16%

TERPENES	% OF SAMPLE
Guaiol	12.93%
Humulene	8.83%
Caryophyllene Oxide	6.61%

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:** 20-010201/D02.R00  
**Report Date:** 09/24/2020  
**ORELAP#:** OR100028  
**Purchase Order:** testCode  
**Received:** 09/22/20 17:44

**Customer:** Etz Hayim Holdings  
**Product identity:** CI37(A)-HPTN Middle  
**Client/Metric ID:** .  
**Laboratory ID:** 20-010201-0002

**Sample Date:** 09/22/20 12:40

### Summary

**Potency:**

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml	1.97		mg/1ml		CBD-Total per 1ml 58.7 mg/1ml
CBD per 1ml	58.7		mg/1ml		
CBDV per 1ml	0.824		mg/1ml		THC-Total per 1ml 1.75 mg/1ml
CBG per 1ml	2.19		mg/1ml		
CBL per 1ml	0.0626		mg/1ml		(Reported in milligrams per serving)
CBN per 1ml	0.110		mg/1ml		
Δ9-THC per 1ml	1.75		mg/1ml		

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**Report Date:** 09/24/2020  
**ORELAP#:** OR100028  
**Purchase Order:** testCode  
**Received:** 09/22/20 17:44



**Customer:** Etz Hayim Holdings  
 16427 NE Airport Way  
 PORTLAND 97230  
 United States

**Product identity:** CI37(A)-HPTN Middle  
**Client/Metric ID:** .  
**Sample Date:** 09/22/20 12:40  
**Laboratory ID:** 20-010201-0002  
**Relinquished by:** Claire Goldstein  
**Temp:** 22.5 °C  
**Serving Size #1:** 0.93 g  
**Density:** 0.930 g/ml

### Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Batch: 2007853	Analyze: 9/24/20 4:07:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	1.97		mg/1ml	0.0303	
CBC-A per 1ml	< LOQ		mg/1ml	0.0303	
CBC-Total per 1ml	1.97		mg/1ml	0.0568	
CBD per 1ml	58.7		mg/1ml	0.303	
CBD-A per 1ml	< LOQ		mg/1ml	0.0303	
CBD-Total per 1ml	58.7		mg/1ml	0.329	
CBDV per 1ml	0.824		mg/1ml	0.0303	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0303	
CBDV-Total per 1ml	0.824		mg/1ml	0.0565	
CBG per 1ml	2.19		mg/1ml	0.0303	
CBG-A per 1ml	< LOQ		mg/1ml	0.0303	
CBG-Total per 1ml	2.19		mg/1ml	0.0565	
CBL per 1ml	0.0626		mg/1ml	0.0303	
CBN per 1ml	0.110		mg/1ml	0.0303	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.0303	
Δ9-THC per 1ml	1.75		mg/1ml	0.0303	
THC-A per 1ml	< LOQ		mg/1ml	0.0303	
THC-Total per 1ml	1.75		mg/1ml	0.0568	
THCV per 1ml	< LOQ		mg/1ml	0.0303	
THCV-A per 1ml	< LOQ		mg/1ml	0.0303	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0568	
<b>Total Cannabinoids 1ml<sup>†</sup></b>	<b>65.6</b>		mg/1ml		

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**Report Number:** 20-010201/D05.R00  
**Report Date:** 10/01/2020  
**ORELAP#:** OR100028  
**Purchase Order:** testCode  
**Received:** 09/22/20 17:44

**Customer:** Etz Hayim Holdings  
**Product identity:** CI37(A)-HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 20-010201-0003

**Sample Date:** 09/22/20 12:40

### Summary

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**Microbiology:**

Less than LOQ for all analytes.



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**Purchase Order:** testCode  
**Received:** 09/22/20 17:44



**Customer:** Etz Hayim Holdings  
 16427 NE Airport Way  
 PORTLAND 97230  
 United States

**Product identity:** CI37(A)-HPTN  
**Client/Metric ID:** .  
**Sample Date:** 09/22/20 12:40  
**Laboratory ID:** 20-010201-0003  
**Relinquished by:** Claire Goldstein  
**Temp:** 22.5 °C

### Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2007877	09/27/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2007877	09/27/20	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2007878	09/27/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2007878	09/27/20	AOAC 2014.05 (RAPID)	X

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**Report Number:** 20-010201/D04.R00  
**Report Date:** 10/01/2020  
**ORELAP#:** OR100028  
**Purchase Order:** testCode  
**Received:** 09/22/20 17:44

**Customer:** Etz Hayim Holdings  
**Product identity:** CI37(A)-HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 20-010201-0004

**Sample Date:** 09/22/20 12:40

### 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
farnesene†	0.0974	31.73%	β-Caryophyllene†	0.0724	23.58%
α-Bisabolol†	0.0496	16.16%	(-)-Guaial†	0.0397	12.93%
Humulene†	0.0271	8.83%	(-)-caryophyllene oxide†	0.0203	6.61%
<b>Total Terpenes†</b>	<b>0.307</b>	<b>100.00%</b>			

**Metals:**

Analyte	Result	Limits
Lead	0.0978	

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**Report Number:** 20-010201/D04.R00  
**Report Date:** 10/01/2020  
**ORELAP#:** OR100028  
**Purchase Order:** testCode  
**Received:** 09/22/20 17:44

**Customer:** Etz Hayim Holdings  
 16427 NE Airport Way  
 PORTLAND 97230  
 United States

**Product identity:** CI37(A)-HPTN

**Client/Metric ID:** .

**Sample Date:** 09/22/20 12:40

**Laboratory ID:** 20-010201-0004

**Relinquished by:** Claire Goldstein

**Temp:** 22.5 °C

### Sample Results

Solvents		Method EPA5021A				Units µg/g	Batch 2007889	Analyze 09/25/20 11:16 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 <sup>i</sup>	< 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:** 20-010201/D04.R00  
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**Purchase Order:** testCode  
**Received:** 09/22/20 17:44

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2007966 Analyze 09/28/20 02:57 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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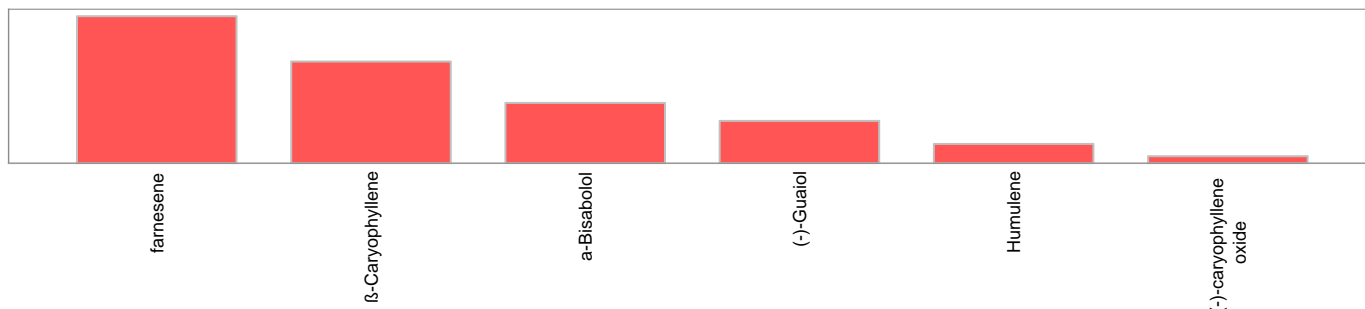


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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2007888	Analyze 09/25/20 10:59 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene <sup>†</sup>	0.0974	0.020	31.73%		β-Caryophyllene <sup>†</sup>	0.0724	0.020	23.58%	
a-Bisabolol <sup>†</sup>	0.0496	0.020	16.16%		(-)-Guaiol <sup>†</sup>	0.0397	0.020	12.93%	
Humulene <sup>†</sup>	0.0271	0.020	8.83%		(-)-caryophyllene oxide <sup>†</sup>	0.0203	0.020	6.61%	
(-)-a-Terpineol <sup>†</sup>	< LOQ	0.020	0.00%		(-)-Isopulegol <sup>†</sup>	< LOQ	0.020	0.00%	
(-)-β-Pinene <sup>†</sup>	< LOQ	0.020	0.00%		(+)-Borneol <sup>†</sup>	< LOQ	0.020	0.00%	
(+)-Cedrol <sup>†</sup>	< LOQ	0.020	0.00%		(+)-fenchol <sup>†</sup>	< LOQ	0.020	0.00%	
(+)-Pulegone <sup>†</sup>	< LOQ	0.020	0.00%		(±)-Camphor <sup>†</sup>	< LOQ	0.020	0.00%	
(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.020	0.00%		(±)-fenchone <sup>†</sup>	< LOQ	0.020	0.00%	
(±)-trans-Nerolidol <sup>†</sup>	< LOQ	0.020	0.00%		(R)-(+)-Limonene <sup>†</sup>	< LOQ	0.020	0.00%	
a-cedrene <sup>†</sup>	< LOQ	0.020	0.00%		a-phellandrene <sup>†</sup>	< LOQ	0.020	0.00%	
a-pinene <sup>†</sup>	< LOQ	0.020	0.00%		a-Terpinene <sup>†</sup>	< LOQ	0.020	0.00%	
Camphene <sup>†</sup>	< LOQ	0.020	0.00%		cis-β-Ocimene <sup>†</sup>	< LOQ	0.006	0.00%	
d-3-Carene <sup>†</sup>	< LOQ	0.020	0.00%		Eucalyptol <sup>†</sup>	< LOQ	0.020	0.00%	
gamma-Terpinene <sup>†</sup>	< LOQ	0.020	0.00%		Geraniol <sup>†</sup>	< LOQ	0.020	0.00%	
Geranyl acetate <sup>†</sup>	< LOQ	0.020	0.00%		Isoborneol <sup>†</sup>	< LOQ	0.020	0.00%	
Linalool <sup>†</sup>	< LOQ	0.020	0.00%		Menthol <sup>†</sup>	< LOQ	0.020	0.00%	
nerol <sup>†</sup>	< LOQ	0.020	0.00%		p-Cymene <sup>†</sup>	< LOQ	0.020	0.00%	
Sabinene <sup>†</sup>	< LOQ	0.020	0.00%		Sabinene hydrate <sup>†</sup>	< LOQ	0.020	0.00%	
β-Myrcene <sup>†</sup>	< LOQ	0.020	0.00%		Terpinolene <sup>†</sup>	< LOQ	0.020	0.00%	
trans-β-Ocimene <sup>†</sup>	< LOQ	0.013	0.00%		valencene <sup>†</sup>	< LOQ	0.020	0.00%	
<b>Total Terpenes</b>	<b>0.307</b>								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.0392	2008048	09/30/20	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0392	2008048	09/30/20	AOAC 2013.06 (mod.)	X	
Lead	0.0978		mg/kg	0.0392	2008048	09/30/20	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0196	2008048	09/30/20	AOAC 2013.06 (mod.)	X	

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