



## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>HPTN</b>	<b>CE35(A)</b>	<b>NR: Not Reported</b> <b>NA: Not Available</b>
<b>HIGH POTENCY TINCTURE</b>	<b>SERVING SIZE: 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>	<b>1 g = 10<sup>-3</sup> kg = 10<sup>3</sup> mg = 10<sup>6</sup> µg</b> <b>1 mg/kg = 1 ppm = 1000 ppb</b>

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	50.4 mg/serving	54.19 mg/g	N/A
Total THC (d9-THC + d8-THC)	1.97 mg/serving	2.12 mg/g	3 mg/g
Cannabigerol (CBG)	1.12 mg/serving	1.20 mg/g	N/A
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	N/A
Cannabichromene (CBC)	2.05 mg/serving	2.20 mg/g	N/A

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

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

TERPENES	% OF SAMPLE
Farnesene	0.113%
β-Caryophyllene	0.108%
α-Bisabolol	0.0807%

TERPENES	% OF SAMPLE
Guaiol	0.0285%
Humulene	0.0456%
Caryophyllene Oxide	0.0351%

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:** 20-005261/D02.R00  
**Report Date:** 05/27/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/21/20 17:05

**Customer:** Etz Hayim Holdings  
**Product identity:** HPTN-CE35(A)  
**Client/Metric ID:** FORM-0515-CE35(A)  
**Laboratory ID:** 20-005261-0001

### Summary

**Potency:**

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml	2.05		mg/1ml		CBD-Total per 1ml 50.4 mg/1ml
CBD per 1ml	50.4		mg/1ml		THC-Total per 1ml 1.97 mg/1ml
CBDV per 1ml	0.181		mg/1ml		(Reported in milligrams per serving)
CBG per 1ml	1.12		mg/1ml		
CBL per 1ml	0.0588		mg/1ml		
Δ9-THC per 1ml	1.97		mg/1ml		



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**Customer:** Etz Hayim Holdings  
**Product identity:** HPTN-CE35(A)  
**Client/Metric ID:** FORM-0515-CE35(A)  
**Sample Date:**  
**Laboratory ID:** 20-005261-0001  
**Relinquished by:** Michael Mackay  
**Temp:** 22.2 °C

### Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Batch: 2004379	Analyze: 1/1/70 12:00:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	2.05		mg/1ml	0.0301	
CBC-A per 1ml	< LOQ		mg/1ml	0.0301	
CBC-Total per 1ml	2.05		mg/1ml	0.0564	
CBD per 1ml	50.4		mg/1ml	0.301	
CBD-A per 1ml	< LOQ		mg/1ml	0.0301	
CBD-Total per 1ml	50.4		mg/1ml	0.327	
CBDV per 1ml	0.181		mg/1ml	0.0301	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0301	
CBDV-Total per 1ml	0.181		mg/1ml	0.0561	
CBG per 1ml	1.12		mg/1ml	0.0301	
CBG-A per 1ml	< LOQ		mg/1ml	0.0301	
CBG-Total per 1ml	1.12		mg/1ml	0.0561	
CBL per 1ml	0.0588		mg/1ml	0.0301	
CBN per 1ml	< LOQ		mg/1ml	0.0301	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.0301	
Δ9-THC per 1ml	1.97		mg/1ml	0.0301	
THC-A per 1ml	< LOQ		mg/1ml	0.0301	
THC-Total per 1ml	1.97		mg/1ml	0.0564	
THCV per 1ml	< LOQ		mg/1ml	0.0301	
THCV-A per 1ml	< LOQ		mg/1ml	0.0301	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0565	
<b>Total Cannabinoids 1ml<sup>†</sup></b>	<b>55.8</b>		mg/1ml		

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Density	0.930		g/ml			05/26/20	Client Provided	

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**Report Number:** 20-005261/D04.R01  
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**Purchase Order:**  
**Received:** 05/21/20 17:05

This is an amended version of report# 20-005261/D04.R00.  
 Reason: Report includes terpene testing.

**Customer:** Etz Hayim Holdings

**Product identity:** HPTN-CE35(A)  
**Client/Metric ID:** FORM-0515-CE35(A)

**Sample Date:**  
**Laboratory ID:** 20-005261-0002

**Relinquished by:** Michael Mackay  
**Temp:** 22.2 °C

### Sample Results

Solvents					Method EPA5021A	Units µg/g	Batch 2004440	Analyze 05/28/20 02:03 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	
1,4-Dioxane	< LOQ	380	0.000	pass		2-Butanol	< LOQ	5000	0.000	pass		
2-Ethoxyethanol	< LOQ	160	0.000	pass		2-Methylbutane	< LOQ		0.000			
2-Methylpentane	< LOQ		0.000			2-Propanol (IPA)	< LOQ	5000	0.000	pass		
2,2-Dimethylbutane	< LOQ		0.000			2,2-Dimethylpropane	< LOQ		0.000			
2,3-Dimethylbutane	< LOQ		0.000			3-Methylpentane	< LOQ		0.000			
Acetone	< LOQ	5000	0.000	pass		Acetonitrile	< LOQ	410	0.000	pass		
Benzene	< LOQ	2.00	0.000	pass		Butanes (sum)	< LOQ	5000	400	pass		
Cyclohexane	< LOQ	3880	0.000	pass		Ethanol <sup>1</sup>	< LOQ		0.000			
Ethyl acetate	< LOQ	5000	0.000	pass		Ethyl benzene	< LOQ		0.000			
Ethyl ether	< LOQ	5000	0.000	pass		Ethylene glycol	< LOQ	620	0.000	pass		
Ethylene oxide	< LOQ	50.0	0.000	pass		Hexanes (sum)	< LOQ	290	150	pass		
Isopropyl acetate	< LOQ	5000	0.000	pass		Isopropylbenzene	< LOQ	70.0	0.000	pass		
m,p-Xylene	< LOQ		0.000			Methanol	< LOQ	3000	0.000	pass		
Methylene chloride	< LOQ	600	0.000	pass		Methylpropane	< LOQ		0.000			
n-Butane	< LOQ		0.000			n-Heptane	< LOQ	5000	0.000	pass		
n-Hexane	< LOQ		0.000			n-Pentane	< LOQ		0.000			
o-Xylene	< LOQ		0.000			Pentanes (sum)	< LOQ	5000	600	pass		
Propane	< LOQ	5000	0.000	pass		Tetrahydrofuran	< LOQ	720	0.000	pass		
Toluene	< LOQ	890	0.000	pass		Total Xylenes	< LOQ		400			
Total Xylenes and Ethyl	< LOQ	2170	600	pass								

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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2004486 Analyze 05/29/20 01:09 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.000	pass		Acephate	< LOQ	0.40	0.000	pass	
Acequinocyl	< LOQ	2.0	0.000	pass		Acetamiprid	< LOQ	0.20	0.000	pass	
Aldicarb	< LOQ	0.40	0.000	pass		Azoxystrobin	< LOQ	0.20	0.000	pass	
Bifenazate	< LOQ	0.20	0.000	pass		Bifenthrin	< LOQ	0.20	0.000	pass	
Boscalid	< LOQ	0.40	0.000	pass		Carbaryl	< LOQ	0.20	0.000	pass	
Carbofuran	< LOQ	0.20	0.000	pass		Chlorantraniliprole	< LOQ	0.20	0.000	pass	
Chlorfenapyr	< LOQ	1.0	0.000	pass		Chlorpyrifos	< LOQ	0.20	0.000	pass	
Clofentezine	< LOQ	0.20	0.000	pass		Cyfluthrin	< LOQ	1.0	0.000	pass	
Cypermethrin	< LOQ	1.0	0.000	pass		Daminozide	< LOQ	1.0	0.000	pass	
Diazinon	< LOQ	0.20	0.000	pass		Dichlorvos	< LOQ	1.0	0.000	pass	
Dimethoate	< LOQ	0.20	0.000	pass		Ethoprophos	< LOQ	0.20	0.000	pass	
Etofenprox	< LOQ	0.40	0.000	pass		Etoxazole	< LOQ	0.20	0.000	pass	
Fenoxycarb	< LOQ	0.20	0.000	pass		Fenpyroximate	< LOQ	0.40	0.000	pass	
Fipronil	< LOQ	0.40	0.000	pass		Fonicamid	< LOQ	1.0	0.000	pass	
Fludioxonil	< LOQ	0.40	0.000	pass		Hexythiazox	< LOQ	1.0	0.000	pass	
Imazalil	< LOQ	0.20	0.000	pass		Imidacloprid	< LOQ	0.40	0.000	pass	
Kresoxim-methyl	< LOQ	0.40	0.000	pass		Malathion	< LOQ	0.20	0.000	pass	
Metalaxyl	< LOQ	0.20	0.000	pass		Methiocarb	< LOQ	0.20	0.000	pass	
Methomyl	< LOQ	0.40	0.000	pass		MGK-264	< LOQ	0.20	0.000	pass	
Myclobutanil	< LOQ	0.20	0.000	pass		Naled	< LOQ	0.50	0.000	pass	
Oxamyl	< LOQ	1.0	0.000	pass		Paclbutrazole	< LOQ	0.40	0.000	pass	
Parathion-Methyl	< LOQ	0.20	0.000	pass		Permethrin	< LOQ	0.20	0.000	pass	
Phosmet	< LOQ	0.20	0.000	pass		Piperonyl butoxide	< LOQ	2.0	0.000	pass	
Prallethrin	< LOQ	0.20	0.000	pass		Propiconazole	< LOQ	0.40	0.000	pass	
Propoxur	< LOQ	0.20	0.000	pass		Pyrethrin I (total)	< LOQ	1.0	0.000	pass	
Pyridaben	< LOQ	0.20	0.000	pass		Spinosad	< LOQ	0.20	0.000	pass	
Spiromesifen	< LOQ	0.20	0.000	pass		Spirotetramat	< LOQ	0.20	0.000	pass	
Spiroxamine	< LOQ	0.40	0.000	pass		Tebuconazole	< LOQ	0.40	0.000	pass	
Thiacloprid	< LOQ	0.20	0.000	pass		Thiamethoxam	< LOQ	0.20	0.000	pass	
Trifloxystrobin	< LOQ	0.20	0.000	pass							

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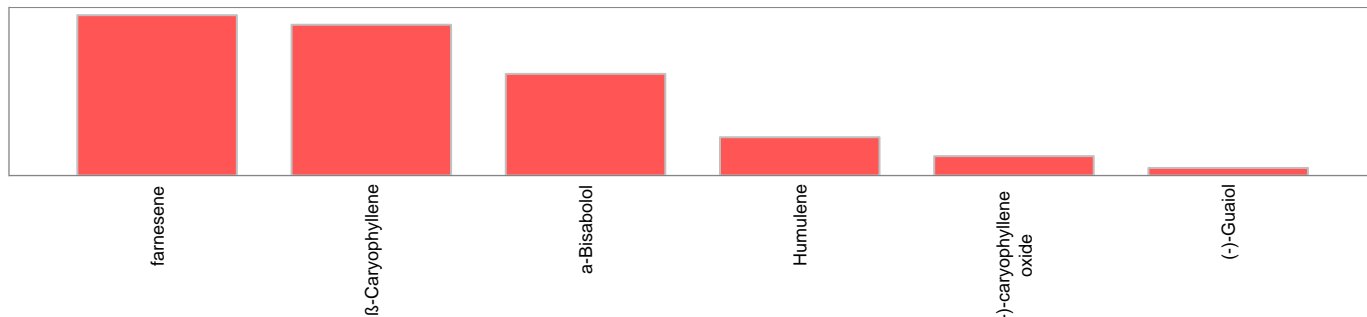


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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2005133	Analyze 06/19/20 10:21 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene <sup>†</sup>	0.113	0.020	27.49%		β-Caryophyllene <sup>†</sup>	0.108	0.020	26.28%	
α-Bisabolol <sup>†</sup>	0.0807	0.020	19.64%		Humulene <sup>†</sup>	0.0456	0.020	11.09%	
(-)-caryophyllene oxide <sup>†</sup>	0.0351	0.020	8.54%		(-)-Guaiol <sup>†</sup>	0.0285	0.020	6.93%	
(-)-α-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%	
α-cedrene <sup>†</sup>	< LOQ	0.020	0.00%		α-phellandrene <sup>†</sup>	< LOQ	0.020	0.00%	
α-pinene <sup>†</sup>	< LOQ	0.020	0.00%		α-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%	
γ-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>0.411</b>								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.0394	2004635	05/29/20	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0394	2004635	05/29/20	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.0394	2004635	05/29/20	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0197	2004635	05/29/20	AOAC 2013.06 (mod.)	X	

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**Product identity:** HPTN-CE35(A)  
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**Laboratory ID:** 20-005261-0003

## Summary

### Microbiology:

*Less than LOQ for all analytes.*



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**Sample Date:**  
**Laboratory ID:** 20-005261-0003  
**Relinquished by:** Michael Mackay  
**Temp:** 22.2 °C

### Sample Results

#### Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2004409	05/30/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2004409	05/30/20	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2004410	05/30/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2004410	05/30/20	AOAC 2014.05 (RAPID)	X