



CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

LOTUN	CB12	NR: Not Reported NA: Not Available
UNSCENTED LOTION	SERVING SIZE: 1 TSP	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)	54.38 mg/serving	11.2 mg/g	N/A
Total THC (d9-THC + d8-THC)	2.19 mg/serving	0.452 mg/g	3 mg/g
Cannabigerol (CBG)	0.64 mg/serving	0.132 mg/g	N/A
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	N/A
Cannabichromene (CBC)	<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

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: 20-002045/D01.R00
Report Date: 03/03/2020
ORELAP#: OR100028
Purchase Order:
Received: 02/21/20 12:20

Customer: Etz Hayim Holdings
Product identity: CB12 LOTUN
Client/Metric ID: .
Laboratory ID: 20-002045-0001

Sample Date: 02/20/20 11:00

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	11.2		mg/1g		CBD-Total per 1g 11.2 mg/1g
CBDV per 1g [†]	0.0651		mg/1g		
CBG per 1g [†]	0.132		mg/1g		THC-Total per 1g 0.452 mg/1g
Δ9-THC per 1g	0.452		mg/1g		(Reported in milligrams per serving)

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Report Number: 20-002045/D01.R00
Report Date: 03/03/2020
ORELAP#: OR100028
Purchase Order:
Received: 02/21/20 12:20

Customer: Etz Hayim Holdings

Product identity: CB12 LOTUN
Client/Metric ID: .
Sample Date: 02/20/20 11:00
Laboratory ID: 20-002045-0001
Temp: 17.2 °C
Relinquished by: Zachary Holden
Serving Size #1: 1 g

Sample Results

Potency per 1g		Batch: 2002010					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1g [†]	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBC-A per 1g [†]	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBC-Total per 1g [†]	< LOQ		mg/1g	0.0626	03/03/20	J AOAC 2015 V98-6	
CBD per 1g	11.2		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBD-A per 1g	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBD-Total per 1g	11.2		mg/1g	0.0626	03/03/20	J AOAC 2015 V98-6	
CBDV per 1g [†]	0.0651		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBDV-A per 1g [†]	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBDV-Total per 1g [†]	0.0651		mg/1g	0.0622	03/03/20	J AOAC 2015 V98-6	
CBG per 1g [†]	0.132		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBG-A per 1g [†]	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBG-Total per 1g [†]	0.132		mg/1g	0.0626	03/03/20	J AOAC 2015 V98-6	
CBL per 1g [†]	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
CBN per 1g	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
Δ8-THC per 1g [†]	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
Δ9-THC per 1g	0.452		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
THC-A per 1g	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
THC-Total per 1g	0.452		mg/1g	0.0626	03/03/20	J AOAC 2015 V98-6	
THCV per 1g [†]	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
THCV-A per 1g [†]	< LOQ		mg/1g	0.0333	03/03/20	J AOAC 2015 V98-6	
THCV-Total per 1g [†]	< LOQ		mg/1g	0.0622	03/03/20	J AOAC 2015 V98-6	

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Testing in accordance with: OAR 333-007-0430



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503-254-1794



Report Number: 20-002045/D03.R00
Report Date: 03/11/2020
ORELAP#: OR100028
Purchase Order:
Received: 02/21/20 12:20

Customer: Etz Hayim Holdings
Product identity: CB12 LOTUN
Client/Metric ID: .
Laboratory ID: 20-002045-0003

Sample Date: 02/20/20 11:00

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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Testing in accordance with: OAR 333-007-0410



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Report Number: 20-002045/D03.R00
Report Date: 03/11/2020
ORELAP#: OR100028
Purchase Order:
Received: 02/21/20 12:20

Customer: Etz Hayim Holdings

Product identity: CB12 LOTUN
Client/Metric ID: .
Sample Date: 02/20/20 11:00
Laboratory ID: 20-002045-0003
Temp: 17.2 °C
Relinquished by: Zachary Holden

Sample Results

Solvents					Method EPA5021A	Units µg/g	Batch 2002144	Analyze 03/06/20 09:03 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 ^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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Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410



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503-254-1794



Report Number: 20-002045/D03.R00
Report Date: 03/11/2020
ORELAP#: OR100028
Purchase Order:
Received: 02/21/20 12:20

Pesticides Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2002199 Analyze 03/07/20 03:50 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		Paclbutrazole	< 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	0.007442002224	03/09/20	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.007442002224	03/09/20	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.007442002224	03/09/20	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.003722002224	03/09/20	AOAC 2013.06 (mod.)	X	

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Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410



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503-254-1794



Report Number: 20-002045/D02.R00
Report Date: 03/11/2020
ORELAP#: OR100028
Purchase Order:
Received: 02/21/20 12:20

Customer: Etz Hayim Holdings
Product identity: CB12 LOTUN
Client/Metric ID: .
Laboratory ID: 20-002045-0002

Sample Date: 02/20/20 11:00

Summary

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0390



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Report Number: 20-002045/D02.R00
Report Date: 03/11/2020
ORELAP#: OR100028
Purchase Order:
Received: 02/21/20 12:20

Customer: Etz Hayim Holdings

Product identity: CB12 LOTUN
Client/Metric ID: .
Sample Date: 02/20/20 11:00
Laboratory ID: 20-002045-0002
Temp: 17.2 °C
Relinquished by: Zachary Holden

Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2002135	03/07/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2002135	03/07/20	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2002142	03/08/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2002142	03/08/20	AOAC 2014.05 (RAPID)	X

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Testing in accordance with: OAR 333-007-0390