



Marley CBD Roll-On

Original

Batch ID: J9016
Production Date: Oct 10, 2019
Expiration Date: April 30, 2021
Batch Size: 80,586

Certificate of Analysis

POTENCY: CBD & THC[†]

Analyte	Acceptable Range	Result
CBD	≥ 27.0 mg	45.0 mg
Δ9-THC	None Detected (<.09 mg)	None Detected

MICROBIOLOGY[†]

Analyte	Acceptable Range	Result
Aerobic Bacteria	100000 CFU/g	None Detected
Bile-Tolerant Gram-Negative Bacteria	1000 CFU/g	None Detected
Coliforms	1000 CFU/g	None Detected
E. Coli	1 CFU/g	None Detected
Salmonella	1 CFU/g	None Detected
Yeast & Mold	10000 CFU/g	None Detected

HEAVY METALS^{**}

Analyte	Result
Arsenic	None Detected
Cadmium	None Detected
Lead	None Detected
Mercury	None Detected

RESIDUAL SOLVENTS[‡]

Analyte	Acceptable Range	Result
1,1,1-Trichloro-Ethane	< 1500 ppm	None Detected
1,1-Dichloro-Ethane	< 8 ppm	None Detected
1,2-Dichloro-Ethane	< 5 ppm	None Detected
Acetone	< 5000 ppm	None Detected
Acetonitrile	< 410 ppm	None Detected
Benzene	< 2 ppm	None Detected

Butane	< 5000 ppm	None Detected
Carbon-Tetrachloride	< 4 ppm	None Detected
Ethanol	< 5000 ppm	None Detected
Ethyl-Acetate	< 5000 ppm	None Detected
Ethyl-Ether	< 5000 ppm	None Detected
Heptane	< 5000 ppm	None Detected
Isopropanol	< 5000 ppm	None Detected
n-Hexane	< 290 ppm	None Detected
Pentane	< 5000 ppm	685.08 ppm
Propane	< 5000 ppm	None Detected
Toluene	< 890 ppm	None Detected
Xylenes	< 2170 ppm	None Detected

PESTICIDES**

Analyte	Result
Abamectin	None Detected
Aldicarb	None Detected
Bifenazate	None Detected
Cyfluthrin	None Detected
Daminozide	None Detected
Diazinon	None Detected
Dichlorvos	None Detected
Dimethoate	None Detected
Etoxazole	None Detected
Flonicamid	None Detected
Fludioxonil	None Detected
Imidacloprid	None Detected
Myclobutanil	None Detected
Paclobutrazol	None Detected
Piperonyl Butoxide	None Detected
Pyrethrin 1	None Detected
Spinosyn A	None Detected
Spinosyn D	None Detected
Spirotetramat	None Detected
Thiamethoxam	None Detected
Trifloxystrobin	None Detected

† Tests performed on finished product

‡ Tests performed on hemp-derived ingredient

* There are no established limits for pesticides or metals in topical product



Confidence Analytics

Cannabis Analytics and Research Specialists

WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@conflabs.com

Certified For: Cannabinoids | Microbiologicals | Mycotoxins | Foreign Matter | Moisture | Terpenes | Residual Solvents | Pesticides

Research and Development Certificate of Analysis

Official Test Results for Laboratory Sample # 6102013

Origination: Docklight Brands

UBI #:

Inventory #: J9016

Strain: CBD Roll-on Relief

License #:

QA #: 20191025MLV0009



Type: Topical

Harvest Date: Unknown

Result #: Unlisted

Address: 2701 Eastlake Ave E #300 **Date of Receipt:** 2019-10-25 **Approved By:** N. Mosely, CEO

Seattle, WA 98102 **Date of Testing:** 2019-10-26

S. Stevens, LDR

Dosage Calculation

	Net Wt	THC	CBD
Unit:	9.6g	Unk	45mg/unit

These values calculated by the manufacturer.

Shelf Stability

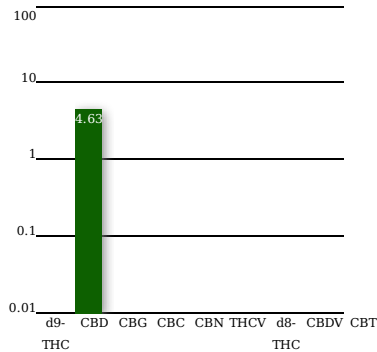
Loss-On-Drying NE

Water Activity: NE

Chemical Profile (units in mg/g)

THC max ND raw sum: ND		CBD max 4.63 raw sum: 4.63		
THCA	ND	d9-THC	ND	
CBDA	ND	CBD	4.63	
CBGA	ND	CBG	ND	
CBC	ND	CBN	ND	
THCVA	NE	THCV	NE	
CBDVA	NE	CBDV	NE	
CBT	NE	d8-THC	NE	Terp total:
Total Cannabinoids (raw sum): 4.63				

Cannabinoid Profile (units in mg/g)



These testing results are certified by scientific examination of a single sample provided by the Producer/Processor. Confidence Analytics and its agents did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch. The sample, as received, was homogenized before subsamples were drawn for specific analyses. This report is supplemental to any other reports with the same analytic sample number.

THC_{max} (a.k.a. Total THC) = $d9-THC + (THC-A * 0.877)$
 CBD_{max} (a.k.a. Total CBD) = $CBD + (CBD-A * 0.877)$
Total Cannabinoid is a raw sum of all measured cannabinoids
In Traceability, Total Cannabinoid is a sum of THC_{max} and CBD_{max}
Figures may differ slightly from traceability due to rounding

ND = Not Detected
NE = Not Examined
Unk = Unknown

Analytical Methods Used
Cannabinoids: HPLC-UV
Microbial: Plate Counting
Terpenes: HS-GC-FID
Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS
Water Activity: HYGROMER®
Page 1 of 2





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Quantitative Impurities Report

Concentrations of analytes used to determine pass/fail status of individual tests.

* Greater than lower limit of detection (>LLOD) and less than lower limit of quantification (<LLOQ). Applies to instances when the analyte has been detected and positively identified, but the concentration is lower than we can accurately quantify. Literally: signal to noise ratio greater than 3 and signal less than calibration. LLOD is ~0.001 ppm for most analytes, LLOQ is ~0.01 for most analytes. Number shown is lower end of calibration (LLOQ).

** Greater than upper limit of quantification (>ULOQ). Applies to instances when the analyte concentration in the sample is greater than we can accurately measure without additional testing. Number shown is upper end of calibration (ULOQ).

Findings

ALKANES NOT EXAMINED

SOLVENT IMPURITIES NOT EXAMINED

ALCOHOLS NOT EXAMINED

MYCOTOXINS NOT EXAMINED

MICROBIOLOGICALS NOT EXAMINED

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THC_{max} (a.k.a. Total THC) = $d9-THC + (THC-A * 0.877)$

CBD_{max} (a.k.a. Total CBD) = $CBD + (CBD-A * 0.877)$

Total Cannabinoid is a raw sum of all measured cannabinoids

In Traceability, Total Cannabinoid is a sum of THC_{max} and CBD_{max}

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MSMS

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HYGROMER®

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Certificate of Analysis

Powered by Confident Cannabis
1 of 3

Treehouse

Longmont, CO 80504

Lic. #



Sample:

METRC ID:

METRC Batch:

CC ID: 1908NCTL0417.2396

Strain: JD-042

Sample Received: 09/03/2019; Report Created: 09/07/2019

CBD Isolate

Concentrates & Extracts, Cannabinoid Isolate



Cannabinoids by HPLC, NCTL SOP-104

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.2	<LOQ	<LOQ
Δ9-THC	0.0	<LOQ	<LOQ
Δ8-THC	0.2	<LOQ	<LOQ
THCV	0.2	<LOQ	<LOQ
CBDa	0.2	<LOQ	<LOQ
CBD	0.2	98.8	988
CBDV	0.2	<LOQ	<LOQ
CBN	0.2	<LOQ	<LOQ
CBGa	0.2	<LOQ	<LOQ
CBG	0.2	<LOQ	<LOQ
CBC	0.2	<LOQ	<LOQ



Potency by HPLC, NCTL SOP-104

ND	98.8%
Total THC	Total CBD

Date Tested: 09/06/2019

Notes 2

Summary

Pass Pesticides	Complete Residual Solvents	Pass Microbials	Not Tested NT Moisture
Not Tested NT Water Activity	Pass Heavy Metals	Not Tested Foreign Matter	Not Tested Mycotoxins

Certificate of Analysis

Powered by Confident Cannabis
2 of 3

Treehouse

Longmont, CO 80504

Lic. #



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Strain: JD-042

Sample Received: 09/03/2019; Report Created: 09/07/2019

CBD Isolate

Concentrates & Extracts, Cannabinoid Isolate

Pesticides by LCMSMS, NCTL SOP-102

Pass

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	PPB	PPB	PPB	
Abamectin	50.000	50.000	<LOQ	Pass
Aldicarb	5.000	20.000	<LOQ	Pass
Bifenazate	30.000	20.000	<LOQ	Pass
Cyfluthrin	50.000	10.000	<LOQ	Pass
Daminozide	30.000	50.000	<LOQ	Pass
Diazinon	5.000	10.000	<LOQ	Pass
Dichlorvos	50.000	150.000	<LOQ	Pass
Dimethoate	5.000	10.000	<LOQ	Pass
Etoxazole	5.000	10.000	<LOQ	Pass
Flonicamid	30.000	30.000	<LOQ	Pass
Fludioxonil	10.000	10.000	<LOQ	Pass
Imidacloprid	5.000	20.000	<LOQ	Pass
Myclobutanil	50.000	50.000	<LOQ	Pass
Paclobutrazol	5.000	10.000	<LOQ	Pass
Piperonyl Butoxide	5.000	100.000	<LOQ	Pass
Pyrethrin 1	30.000	50.000	<LOQ	Pass
Spinosyn A	5.000	10.000	<LOQ	Pass
Spinosyn D	5.000	10.000	<LOQ	Pass
Spirotetramat	10.000	20.000	<LOQ	Pass
Thiamethoxam	5.000	20.000	<LOQ	Pass
Trifloxystrobin	5.000	10.000	<LOQ	Pass

Microbials by 3M Petrifilm, NCTL SOP-101

Pass

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	CFU/g	CFU/g	CFU/g	
Aerobic Bacteria	100,000	<LOQ	<LOQ	Pass
Bile-Tolerant Gram-Negative Bacteria	10,000	<LOQ	<LOQ	Pass
Coliforms	10,000	<LOQ	<LOQ	Pass
E. Coli	1	<LOQ	<LOQ	Pass
Salmonella	1	<LOQ	<LOQ	Pass
Yeast & Mold	10,000	<LOQ	<LOQ	Pass

Heavy Metals by ICPMS, NCTL SOP-103

Pass

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	PPM	PPM	PPM	
Arsenic	0.10	0.42	<LOQ	Pass
Cadmium	0.10	0.27	<LOQ	Pass
Lead	0.10	0.37	<LOQ	Pass
Mercury	0.10	0.37	<LOQ	Pass

Mycotoxins by GCMS, NCTL SOP-105

Not Tested

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
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Residual Solvents by GCMS, NCTL SOP-105

Complete

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	PPM	PPM	PPM	
1,1,1-Trichloro-Ethane	0.08	<LOQ	Tested	
1,1-Dichloro-Ethane	0.08	<LOQ	Tested	
1,2-Dichloro-Ethane	0.08	<LOQ	Tested	
Acetone	43.00	<LOQ	Tested	
Acetonitrile	43.00	<LOQ	Tested	
Benzene	0.08	<LOQ	Tested	
Butane	43.00	<LOQ	Tested	
Carbon-Tetrachloride	0.08	<LOQ	Tested	
Ethanol	43.00	<LOQ	Tested	
Ethyl-Acetate	43.00	<LOQ	Tested	
Ethyl-Ether	43.00	<LOQ	Tested	
Heptane	43.00	<LOQ	Tested	
Isopropanol	43.00	<LOQ	Tested	
n-Hexane	43.00	<LOQ	Tested	
Pentane	43.00	685.08	Tested	
Propane	43.00	<LOQ	Tested	
Toluene	43.00	<LOQ	Tested	
Xylenes	43.00	<LOQ	Tested	



Certificate of Analysis

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CBD Isolate

Concentrates & Extracts, Cannabinoid Isolate



Certificate of Analysis

Designating Entity	Treehouse
Designating Entity Number	NA
Client Name	Treehouse
Sample Name	JD-042
Date Received	09/03/2019
Date of Report	09/07/2019

Analysis Requested: Full Potency Analysis

Name	Sample LOQ	Final result
THC	0.05	0.05
THC-A	0.05	0.05
THC-O	0.05	0.05
THC-P	0.05	0.05
THC-D	0.05	0.05
THC-E	0.05	0.05
THC-F	0.05	0.05
THC-G	0.05	0.05
THC-H	0.05	0.05
THC-I	0.05	0.05
THC-J	0.05	0.05
THC-K	0.05	0.05
THC-L	0.05	0.05
THC-M	0.05	0.05
THC-N	0.05	0.05
THC-O	0.05	0.05
THC-P	0.05	0.05
THC-Q	0.05	0.05
THC-R	0.05	0.05
THC-S	0.05	0.05
THC-T	0.05	0.05
THC-U	0.05	0.05
THC-V	0.05	0.05
THC-W	0.05	0.05
THC-X	0.05	0.05
THC-Y	0.05	0.05
THC-Z	0.05	0.05
THC-AA	0.05	0.05
THC-AB	0.05	0.05
THC-AC	0.05	0.05
THC-AD	0.05	0.05
THC-AE	0.05	0.05
THC-AF	0.05	0.05
THC-AG	0.05	0.05
THC-AH	0.05	0.05
THC-AI	0.05	0.05
THC-AJ	0.05	0.05
THC-AK	0.05	0.05
THC-AL	0.05	0.05
THC-AM	0.05	0.05
THC-AN	0.05	0.05
THC-AO	0.05	0.05
THC-AP	0.05	0.05
THC-AQ	0.05	0.05
THC-AR	0.05	0.05
THC-AS	0.05	0.05
THC-AT	0.05	0.05
THC-AU	0.05	0.05
THC-AV	0.05	0.05
THC-AW	0.05	0.05
THC-AX	0.05	0.05
THC-AY	0.05	0.05
THC-AZ	0.05	0.05
THC-BA	0.05	0.05
THC-BB	0.05	0.05
THC-BB	0.05	0.05

*Note: This report is issued for information only. It is not intended to be used for legal purposes. The results of this analysis are for informational purposes only.

