HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC1

Not Detected²

CANNABINOID PROFILE

0.4847% Total CBD¹**0.4873**% Total Cannabinoids³

Terpenes Not Tested







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- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ 9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ-9-THC) post-decarboxylation see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

RESIDUAL PESTICIDES

PASSED

PASSED

RESIDUAL SOLVENTS

PASSED

HEAVY METALS

MICROBIAL IMPURITIES

See page 4

CBD Menthol 20035

Tested for: Shikai Products

Sample ID: 200218N059

Date Collected: 02/18/2020

Date Received: 02/18/2020

Batch #:

Address:

Final Approval

be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.

These results relate only to the sample included on this report. This report shall not



SC Laboratories, LLC 100 Pioneer Street, Suite E Santa Cruz, CA 95060 (866) 435-0709 | sclabs.com

Sample Name: CBD Menthol 20035

LIMS Sample ID: 200218N059

Batch #:

Source METRC UID:

Sample Type: Infused, Non-Inhalable

Batch Count: Sample Count:

28.3 Grams per Unit Unit Mass:

Serving Mass:

Density:

Moisture Test Results

Cannabinoid Test Results

02/19/2020

Results (%)

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

(20, 20. 0,	mg/g	%	LOD / LOQ mg/g
Δ9ΤΗС	ND	ND	0.0009 / 0.003
Δ8ΤΗС	ND	ND	0.0009 / 0.003
THCa	ND	ND	0.0009 / 0.003
THCV	ND	ND	0.0004 / 0.001
THCVa	ND	ND	0.0013 / 0.004
CBD	4.847	0.4847	0.0009 / 0.003
CBDa	ND	ND	0.0009 / 0.003
CBDV	0.026	0.0026	0.0004 / 0.001
CBDVa	ND	ND	0.0003 / 0.001
CBG	ND	ND	0.001 / 0.003
CBGa	ND	ND	0.0008 / 0.002
CBL	ND	ND	0.0021 / 0.006
CBN	ND	ND	0.0009 / 0.003
CBC	ND	ND	0.0011 / 0.003
CBCa	ND	ND	0.0015 / 0.005

Sum of Cannabinoids:	4.873	0.4873	137.906 mg/Unit
Total THC (Δ9THC+0.877*THCa)	ND	ND	ND
Total CBD (CBD+0.877*CBDa)	4.847	0.4847	137.170 mg/Unit

Action Limit mg 1000.0 Δ9THC per Unit Δ9THC per Serving Pass ND

Batch Photo



Date Collected: 02/18/2020 Date Received: 02/18/2020

License #: Address:

Tested for:

Produced by:

License #: Address:

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

Shikai Products

Detection (GC - 11D)	mg/g	%	LOD / LOQ mg/g
	NT	70	LOD / LOQ IIIg/g
	NT		
	= NT		
	NT		
	NT		
Geraniol	NT		
	NT		
Terpinolene	NT		
Valencene	NT		
Menthol	NT		
	NT NT		
	NT		
	NT		
	NT NT		
	NT		
Limonene			
Myrcene	NT		
Fenchol	NT		
	NT		
Caryophyllene Oxide	NT		
	NT		
	NT		
R-(+)-Pulegone	NT		
Geranyl Acetate			
Citronellol			
Phytol			

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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Josh Wurzer, President Date: 02/21/2020



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Sample Name: CBD Menthol 20035

LIMS Sample ID: 200218N059

Batch #:

Source METRC UID:

Sample Type: Infused, Non-Inhalable

Batch Count: Sample Count:

Unit Mass: 28.3 Grams per Unit

Serving Mass:

Density:

Date Collected: 02/18/2020 Date Received: 02/18/2020 Tested for: Shikai Products

License #: Address:

Produced by:

License #: Address:

Pesticide Test Results - Pass

02/19/2020

Pesticide and plant growth regulator analysis utilizing HPLC-Mass

Spectrometry

-		Results (µg/g)	Action Limit µg/g	Reporting Limit µg/g
Abamectin	Pass	ND	0.3	0.091
Bifenazate	Pass	ND	5.0	0.035
Bifenthrin	Pass	ND	0.5	0.038
Boscalid	Pass	ND	10.0	0.023
Etoxazole	Pass	ND	1.5	0.022
Imidacloprid	Pass	ND	3.0	0.050
Myclobutanil	Pass	ND	9.0	0.044
Piperonylbutoxide	Pass	ND	8.0	0.020
Pyrethrins	Pass	ND	1.0	0.036
Spinosad	Pass	ND	3.0	0.031
Spiromesifen	Pass	ND	12.0	0.015
Spirotetramat	Pass	ND	13.0	0.042

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry
Results (µg/kg) Action Limit µg/kg

LOD / LOQ µg/kg

Sample Certification

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Sample Name: CBD Menthol 20035

LIMS Sample ID: 200218N059

Batch #:

Source METRC UID:

Sample Type: Infused, Non-Inhalable

Batch Count: Sample Count:

Unit Mass: 28.3 Grams per Unit

Serving Mass:

Density:

Residual Solvent Test Results - Pass 02/19/2020

Residual Solvent analysis utilizing Gas Chromatography - Mass Spectrometry (GC - MS)

		Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
1,2-Dichloroethane	Pass	ND	1.0	0.111 / 0.336
Benzene	Pass	ND	1.0	0.043 / 0.132
Chloroform	Pass	ND	1.0	0.064 / 0.195
Ethylene Oxide	Pass	ND	1.0	0.136 / 0.413
Methylene chloride	Pass	ND	1.0	0.172 / 0.521
Trichloroethylene	Pass	ND	1.0	0.040 / 0.120
Acetone	Pass	ND	5000.0	14.703 / <mark>44</mark> .549
Acetonitrile	Pass	ND	410.0	2.727 / 8.262
Butane	Pass	ND	5000.0	5.672 / 17.185
Ethanol	Pass	ND	5000.0	11.775 / <mark>35</mark> .679
Ethyl acetate	Pass	ND	5000.0	16.227 / 49.169
Ethyl ether	Pass	ND	5000.0	11.608 / 35.172
Heptane	Pass	ND	5000.0	12.982 / 39.336
Hexane	Pass	ND	290.0	1.816 / 5.502
Isopropyl Alcohol	Pass	ND	5000.0	15.358 / 46.536
Methanol	Pass	ND	3000.0	15.584 / 47.220
Pentane	Pass	ND	5000.0	12.355 / 37.434
Propane	Pass	ND	5000.0	1.359 / 4.117
Toluene	Pass	ND	890.0	7.174 / 21.736
Total Xylenes	Pass	ND	2170.0	34.438 / 104.347

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

3M Petrifilm and plate counts for microbiological contamination Results (cfu/g)

Aerobic Plate Count ND

Total Yeast and Mold ND

Foreign Material Test Results

NIT

Date Collected: 02/18/2020

Date Received: 02/18/2020

Tested for: Shikai Products

License #:

Address:

Water Activity Test Results

Produced by:

License #:

Address:

Results (Aw) Action Limit Aw

Heavy Metal Test Results - Pass

02/18/2020

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

		Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
Cadmium	Pass	ND	0.5	0.012 / 0.035
Lead	Pass	ND	0.5	0.031 / 0.095
Arsenic	Pass	ND	1.5	0.013 / 0.039
Mercury	Pass	ND	3.0	0.002 / 0.005

Note

02/21/2020

Action Limit

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