

HEMP LABORATORY TEST CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

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

TOTAL THC¹

0.0133%²

CANNABINOID PROFILE

0.3178% Total CBD³

0.3334% Total Cannabinoids³

Terpenes Not Tested



- 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 = $\Delta^9\text{THC} + (\text{THCa} (0.877))$ and Total CBD = $\text{CBD} + (\text{CBDa} (0.877))$.
- 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.

BMI Industries/New World CBD Topical Lotion Sweet Orange

Tested for: BMI Industries LLC/New World CBD

Sample ID: 191127N004

Address:

Date Collected: 11/27/2019

Batch #: 9326A /19323-03

Date Received: 11/27/2019

Final Approval

Paul Dorenbach, LQC Verified By
Date: 12/16/2019

Josh Wurzer, President
Date: 12/16/2019

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



HEMP LABORATORY TEST CERTIFICATE OF ANALYSIS

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

Sample Name: BMI Industries/New World CBD Topical Lotion Sweet Orange
LIMS Sample ID: 191127N004
Batch #: 9326A /19323-03
Source Metrc ID(s):

Sample Type: Other
Batch Count:
Sample Count:
Unit Mass: 90 Grams per Unit
Serving Mass:
Density:

Date Collected: 11/27/2019
Date Received: 11/27/2019
Tested for: BMI Industries LLC/New World CBD
License #:
Address:
Produced by:
License #:
Address:

Moisture Test Results

Results (%)

Cannabinoid Test Results

11/29/2019

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

	mg/g	%	LOD / LOQ mg/g
Δ9THC	0.133	0.0133	0.0009 / 0.003
Δ8THC	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	3.178	0.3178	0.0009 / 0.003
CBDa	ND	ND	0.0009 / 0.003
CBDV	0.015	0.0015	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	0.008	0.0008	0.0021 / 0.006
CBN	ND	ND	0.0009 / 0.003
CBC	<LOQ	<LOQ	0.0011 / 0.003
CBCa	ND	ND	0.0015 / 0.005
Sum of Cannabinoids:	3.334	0.3334	300.060 mg/Unit
Total THC (Δ9THC+0.877*THCa)	0.133	0.0133	11.970 mg/Unit
Total CBD (CBD+0.877*CBDa)	3.178	0.3178	286.020 mg/Unit
Δ9THC per Unit		Action Limit mg	11.970 mg/Unit
Δ9THC per Serving			

Terpene Test Results

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

	mg/g	%	LOD / LOQ mg/g
Total Terpene Concentration:			

Batch Photo



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.

Paul Dorenbach
Paul Dorenbach, LQC Verified By
Date: 12/16/2019

John Wurzer
John Wurzer, President
Date: 12/16/2019



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CERTIFICATE OF ANALYSIS**

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Lotion Sweet Orange
LIMS Sample ID: 191127N004
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Source Metr ID(s):
Sample Type: Other
Batch Count:
Sample Count:
Unit Mass: 90 Grams per Unit
Serving Mass:
Density:

Date Collected: 11/27/2019
Date Received: 11/27/2019
Tested for: BMI Industries LLC/New World CBD
License #:
Address:
Produced by:
License #:
Address:

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry
Results ($\mu\text{g/g}$) Action Limit $\mu\text{g/g}$ LOD / LOQ $\mu\text{g/g}$

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry
Results ($\mu\text{g/g}$) Action Limit $\mu\text{g/g}$ LOD / LOQ $\mu\text{g/g}$

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry
Results ($\mu\text{g/kg}$) Action Limit $\mu\text{g/kg}$ LOD / LOQ $\mu\text{g/kg}$

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Paul Dorenbach, LQC Verified By
Date: 12/16/2019

Josh Wurzer, President
Date: 12/16/2019

Sample must be marked as
public to be viewable



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Lotion Sweet Orange
LIMS Sample ID: 191127N004
Batch #: 9326A / 19323-03
Source Metric ID(s):

Sample Type: Other
Batch Count:
Sample Count:
Unit Mass: 90 Grams per Unit
Serving Mass:
Density:

Date Collected: 11/27/2019
Date Received: 11/27/2019
Tested for:
License #:
Address:
Produced by:
License #:
Address:

Water Activity Test Results

Results (Aw)	Action Limit Aw

Residual Solvent Test Results

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

Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g

Heavy Metal Test Results

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

Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g

Note

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

Results	Action Limit

3M Petrifilm and plate counts for microbiological contamination

Results (cfu/g)

Foreign Material Test Results

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