

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

0.6326% Total CBD¹

0.6365% 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 ($\Delta^9\text{-THC}$) 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 Skin Balm

Tested for: BMI Industries LLC/New World CBD

Address:

Batch #: 9316A

Sample ID: 191115W001

Date Collected: 11/15/2019

Date Received: 11/15/2019

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.



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

Sample Name: BMI Industries/New World CBD Topical Skin Balm
LIMS Sample ID: 191115W001
Batch #: 9316A
Source Metrc ID(s):

Sample Type: Infused, Topical
Batch Count:
Sample Count:
Unit Mass: 17 Grams per Unit
Serving Mass:
Density:

Date Collected: 11/15/2019
Date Received: 11/15/2019
Tested for: BMI Industries LLC/New World CBD
License #:
Address:
Produced by:
License #:
Address:

Moisture Test Results

Results (%)

Cannabinoid Test Results

11/17/2019

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

| | mg/g | % | LOD / LOQ mg/g |
|------------------------------|-----------------|---------------|------------------------|
| Δ9THC | ND | ND | 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 | 6.326 | 0.6326 | 0.0009 / 0.003 |
| CBDa | ND | ND | 0.0009 / 0.003 |
| CBDV | 0.039 | 0.0039 | 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: | 6.365 | 0.6365 | 108.205 mg/Unit |
| Total THC (Δ9THC+0.877*THCa) | ND | ND | ND |
| Total CBD (CBD+0.877*CBDa) | 6.326 | 0.6326 | 107.542 mg/Unit |
| Δ9THC per Unit | Action Limit mg | Pass | ND |
| Δ9THC per Serving | 1000.0 | | |

Batch Photo



Terpene Test Results

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

| | mg/g | % | LOD / LOQ mg/g |
|--------------------------------------|------|----|----------------|
| α-Pinene | ND | ND | 0.0009 / 0.003 |
| β-Pinene | ND | ND | 0.0009 / 0.003 |
| γ-Terpinene | ND | ND | 0.0009 / 0.003 |
| Limonene | ND | ND | 0.0004 / 0.001 |
| Myrcene | ND | ND | 0.0013 / 0.004 |
| β-Caryophyllene | ND | ND | 0.0009 / 0.003 |
| β-Bisabolene | ND | ND | 0.0009 / 0.003 |
| β-Caryophyllene | ND | ND | 0.0004 / 0.001 |
| β-Caryophyllene | ND | ND | 0.0003 / 0.001 |
| β-Caryophyllene | ND | ND | 0.001 / 0.003 |
| β-Caryophyllene | ND | ND | 0.0008 / 0.002 |
| β-Caryophyllene | ND | ND | 0.0021 / 0.006 |
| β-Caryophyllene | ND | ND | 0.0009 / 0.003 |
| β-Caryophyllene | ND | ND | 0.0011 / 0.003 |
| β-Caryophyllene | ND | ND | 0.0015 / 0.005 |
| Total Terpenes Concentration: | | | |

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Sample Name: BMI Industries/New World CBD Topical Skin Balm
LIMS Sample ID: 191115W001
Batch #: 9316A
Source Metric ID(s):

Sample Type: Infused, Topical
Batch Count:
Sample Count:
Unit Mass: 17 Grams per Unit
Serving Mass:
Density:

Date Collected: 11/15/2019
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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 (µg/g) | Action Limit µg/g | LOD / LOQ µg/g |
|----------------|-------------------|----------------|
|----------------|-------------------|----------------|

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing
HPLC-Mass Spectrometry and GC-Mass Spectrometry

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

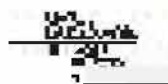
Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

| Results (µg/kg) | Action Limit µg/kg | LOD / LOQ µg/kg |
|-----------------|--------------------|-----------------|
|-----------------|--------------------|-----------------|

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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| | |
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| Sample Name: | BMI Industries/New World CBD Topical Skin Balm |
| LIMS Sample ID: | 191115W001 |
| Batch #: | 9316A |
| Source Metr ID(s): | |
| Sample Type: | Infused, Topical |
| Batch Count: | |
| Sample Count: | |
| Unit Mass: | 17 Grams per Unit |
| Serving Mass: | |
| Density: | |

| | |
|-----------------|----------------------------------|
| Date Collected: | 11/15/2019 |
| Date Received: | 11/15/2019 |
| Tested for: | BMI Industries LLC/New World CBD |
| License #: | |
| Address: | |
| Produced by: | |
| License #: | |
| Address: | |

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 |
|--|----------------|-------------------|----------------|
| | | | |
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Water Activity Test Results

| Results (Aw) | Action Limit Aw |
|--------------|-----------------|
| | |

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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