

# HEMP LABORATORY TEST CERTIFICATE OF ANALYSIS



## Hemp Analysis - Summary

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

### TOTAL THC<sup>1</sup>

# 0.0159%<sup>2</sup>

### CANNABINOID PROFILE

0.3441% Total CBD<sup>1</sup>

0.3645% Total Cannabinoids<sup>3</sup>

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 Lotion Wintergreen 300

Tested for:	BMI Industries/New World CBD	Sample ID:	191113U006
Address:		Date Collected:	11/13/2019
Batch #:	19312-07	Date Received:	11/13/2019

## Final Approval

  
Josh Antunovich, LQC Verified By  
Date: 01/08/2020

  
Josh Wurzer, President  
Date: 01/08/2020

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 Wintergreen 300  
LIMS Sample ID: 191113U006  
Batch #: 19312-07  
Source Metr ID(s):  
  
Sample Type: Other  
Batch Count:  
Sample Count:  
Unit Mass: 10 Grams per Unit  
Serving Mass:  
Density:

Date Collected: 11/13/2019  
Date Received: 11/13/2019  
Tested for: BMI Industries / New World CBD  
  
License #:  
Address:  
  
Produced by:  
  
License #:  
Address:

**Moisture Test Results**

Results (%)

**Cannabinoid Test Results**

**11/15/2019**

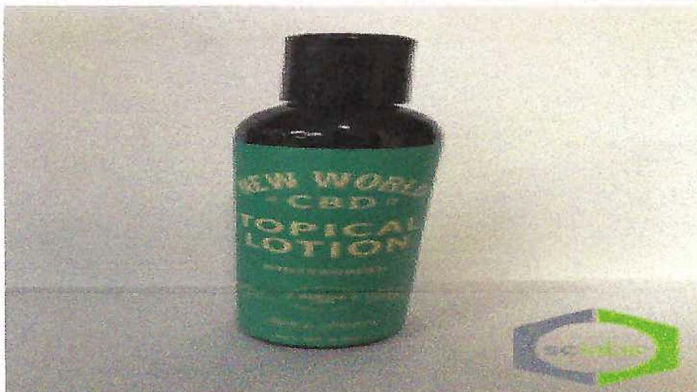
Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

	mg/g	%	LOD / LOQ mg/g
Δ9THC	0.159	0.0159	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	3.441	0.3441	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	0.017	0.0017	0.0009 / 0.003
CBC	0.005	0.0005	0.0011 / 0.003
CBCa	ND	ND	0.0015 / 0.005
<b>Sum of Cannabinoids:</b>	<b>3.645</b>	<b>0.3645</b>	<b>36.450 mg/Unit</b>
Total THC (Δ9THC+0.877*THCa)	0.159	0.0159	1.590 mg/Unit
Total CBD (CBD+0.877*CBDa)	3.441	0.3441	34.410 mg/Unit

Δ9THC per Unit  
Δ9THC per Serving

Action Limit mg 1.590 mg/Unit

**Batch Photo**



**Terpene Test Results**

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

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

**Sample Certification**

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

Josh Antunovich, LQC Verified By  
Date: 01/08/2020  
  
Josh Wurzer, President  
Date: 01/08/2020



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CERTIFICATE OF ANALYSIS**

SC Laboratories, LLC  
100 Pioneer Street, Suite E  
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Sample Name: BMI Industries/New World CBD Topical  
Lotion Wintergreen 300  
LIMS Sample ID: 191113U006  
Batch #: 19312-07  
Source Metric ID(s):  
  
Sample Type: Other  
Batch Count:  
Sample Count:  
Unit Mass: 10 Grams per Unit  
Serving Mass:  
Density:

Date Collected: 11/13/2019  
Date Received: 11/13/2019  
Tested for: BMI Industries/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
Azinphos methyl			
Chlorpyrifos			
Diazinophos methyl			
Diflufenican			
Emamectin benzoate			
Imidacloprid			
Lambda cyhalothrin			
Permethrin			
Spinetoram			
Spinosad			
Thiacloprid			
Triazophos			
Acetamiprid			
Chlorantraniliprol			
Cyfluthrin			
Cypermethrin			
Flupyradifurone			
Fenprophamid			
Fenpyroximate			
Fenvalerate			
Fluralaner			
Gamma HCH			
Gamma HCH (Technical)			
Gamma HCH (Total)			
Gamma HCH (α)			
Gamma HCH (β)			
Gamma HCH (γ)			
Gamma HCH (δ)			
Gamma HCH (ε)			
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Gamma HCH (φ)			
Gamma HCH (χ)			
Gamma HCH (ψ)			
Gamma HCH (ω)			
Gamma HCH (Total)			

**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
Azinphos methyl			
Chlorpyrifos			
Diazinophos methyl			
Diflufenican			
Emamectin benzoate			
Imidacloprid			
Lambda cyhalothrin			
Permethrin			
Spinetoram			
Spinosad			
Thiacloprid			
Triazophos			
Acetamiprid			
Chlorantraniliprol			
Cyfluthrin			
Cypermethrin			
Flupyradifurone			
Fenprophamid			
Fenpyroximate			
Fenvalerate			
Fluralaner			
Fenvalerate			
Gamma HCH			
Gamma HCH (Technical)			
Gamma HCH (Total)			
Gamma HCH (α)			
Gamma HCH (β)			
Gamma HCH (γ)			
Gamma HCH (δ)			
Gamma HCH (ε)			
Gamma HCH (ζ)			
Gamma HCH (η)			
Gamma HCH (θ)			
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Gamma HCH (φ)			
Gamma HCH (χ)			
Gamma HCH (ψ)			
Gamma HCH (ω)			
Gamma HCH (Total)			

**Mycotoxin Test Results**

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

	Results (µg/kg)	Action Limit µg/kg	LOD / LOQ µg/kg
Aflatoxin B1			
Cyprinolexin			

**Sample Certification**

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Date: 01/08/2020

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CERTIFICATE OF ANALYSIS**

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Sample Name: BMI Industries/New World CBD Topical Lotion Wintergreen 300  
LIMS Sample ID: 191113U006  
Batch #: 19312-07  
Source Metrc ID(s):

Sample Type: Other  
Batch Count:  
Sample Count:  
Unit Mass: 10 Grams per Unit  
Serving Mass:  
Density:

Date Collected: 11/13/2019  
Date Received: 11/13/2019  
Tested for: BMI Industries/New World CBD  
License #:  
Address:  
Produced by:  
License #:  
Address:

**Residual Solvent Test Results**

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

	Results ( $\mu\text{g/g}$ )	Action Limit $\mu\text{g/g}$	LOD / LOQ $\mu\text{g/g}$

**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**

**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 ( $\mu\text{g/g}$ )	Action Limit $\mu\text{g/g}$	LOD / LOQ $\mu\text{g/g}$

**Note**

**Sample Certification**

California Code of Regulations Title 16 Effect Date January 16, 2019  
Authority: Section 26013, Business and Professions Code  
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