

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Nano Softgels
PRODUCT STRENGTH: 25 mg CBD
BEST BY DATE: HEMP 06/07/2024
EXTRACT LOT: 2BL06244



Physical Attributes

| Test | Method | Specification | Results |
|-------------------------|----------|--|---------|
| Color | Internal | Golden to Amber | PASS |
| Odor | Internal | No odor | PASS |
| Appearance | Internal | Dry, ovoid softgel capsules in container with lid and shrink-band | PASS |
| Primary Package Eval. | Internal | Container clean and free of filth. Container caps tight and shrink bands intact | PASS |
| Secondary Package Eval. | Internal | Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure. | PASS |

Review of Third-Party Analysis

| Panel | Method | Specification | Results* | Pass/Fail |
|---|-----------------|---|-----------|-----------|
| Potency - Total CBD | HPLC-UV DAD | *NLT 25 mg / softgel | 27.85 mg | PASS |
| Potency - D9-THC | HPLC-UV DAD | LOQ: <0.01% (broad spectrum) | ND | PASS |
| Expanded Pesticide Panel | HPLC-QQQ | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract | Below LOQ | PASS |
| Microbial Escherichia coli (STEC) | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram | Absent | PASS |
| Microbial Salmonella | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram | Absent | PASS |
| Microbial Yeast and Mold | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ² CFU/gram | Below LOQ | PASS |
| Microbial Total Coliforms* | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ² CFU/gram | Below LOQ | PASS |
| Microbial Total Aerobic Count* | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ³ CFU/gram | Below LOQ | PASS |
| Heavy Metals Panel | ICP-MS | Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm | Below LOQ | PASS |
| Mycotoxins | ICP-MS | Total Aflatoxins <20 ppb† Aflatoxin B1 < 5 ppb Ochratoxin < 5ppb | Below LOQ | PASS |
| Residual Solvents | GC-MS-MSD | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract | Below LOQ | PASS |

* *Level of Quantitation, † Parts Per Million
 † Part Per Billion CFU/g=Colony Forming Units per Gram
 *Nothing Less Than
 10²=100 CFU
 10³=1,000 CFU

Quality Certified

Name

7/18/2022

Date



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-007801/D002.R000
Report Date: 07/11/2022
ORELAP#: OR100028
Purchase Order: PO-00124
Received: 07/05/22 10:14

Product Identity: 25 mg Softgels Lot # 22BL06244 .
Laboratory ID: 22-007801-0001

Summary

Potency:

| Analyte | Result | Limits | Units | Status | CBD-Total per 1g | 55.7 mg/1g |
|----------------|--------|--------|-------|--------|--------------------------------------|------------|
| CBD | 5.57 | | % | | | |
| CBDV† | 0.0190 | | % | | | |
| CBG† | 0.322 | | % | | THC-Total per 1g | <LOQ |
| Analyte per 1g | Result | Limits | Units | Status | (Reported in milligrams per serving) | |
| CBD per 1g | 55.7 | | mg/1g | | | |
| CBDV per 1g† | 0.190 | | mg/1g | | | |
| CBG per 1g† | 3.22 | | mg/1g | | | |

Microbiology:

Less than LOQ for all analytes.



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503-254-1794



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ORELAP#: OR100028
Purchase Order: PO-00124
Received: 07/05/22 10:14

Product identity: : 25 mg Softgels Lot # 22BL06244 .

Laboratory ID: 2-007801-0001

Evidence of Cooling: No

Temp: Relinquished 23.3 °C

by: UPS

Serving Size #1: 1 g

Sample Results

| Potency | Method: J AOAC 2015 V98-6 (mod) | Units % | Batch: 2205770 | Analyze: 7/8/22 9:37:00 AM | |
|----------------------------|---------------------------------|---------|----------------|----------------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Notes |
| CBC | < LOQ | | % | 0.00322 | |
| CBC-A† | < LOQ | | % | 0.00322 | |
| CBC-Total† | < LOQ | | % | 0.00604 | |
| CBD | 5.57 | | % | 0.0322 | |
| CBD-A | < LOQ | | % | 0.00322 | |
| CBD-Total | 5.57 | | % | 0.0350 | |
| CBDV† | 0.0190 | | % | 0.00322 | |
| CBDV-A† | < LOQ | | % | 0.00322 | |
| CBDV-Total† | 0.0190 | | % | 0.00600 | |
| CBE† | < LOQ | | % | 0.00322 | |
| CBG† | 0.322 | | % | 0.00322 | |
| CBG-A† | < LOQ | | % | 0.00322 | |
| CBG-Total | 0.322 | | % | 0.00600 | |
| CBL† | < LOQ | | % | 0.00322 | |
| CBL-A† | < LOQ | | % | 0.00322 | |
| CBL-Total† | < LOQ | | % | 0.00604 | |
| CBN | < LOQ | | % | 0.00322 | |
| CBT† | < LOQ | | % | 0.00322 | |
| Δ8-THCV | < LOQ | | % | 0.00322 | |
| Δ8-THC | < LOQ | | % | 0.00322 | |
| Δ9-THC | < LOQ | | % | 0.00322 | |
| exo-THC | < LOQ | | % | 0.00322 | |
| THC-A | < LOQ | | % | 0.00322 | |
| THC-Total | < LOQ | | % | 0.00604 | |
| THCV† | < LOQ | | % | 0.00322 | |
| THCV-A† | < LOQ | | % | 0.00322 | |
| THCV-Total† | < LOQ | | % | 0.00600 | |
| Total Cannabinoids† | 5.91 | | % | | |

| Potency per 1g | Method: J AOAC 2015 V98-6 (mod) | Units mg/se | Batch: 2205770 | Analyze: 7/8/22 9:37:00 AM | |
|----------------|---------------------------------|-------------|----------------|----------------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Notes |
| CBC per 1g† | < LOQ | | mg/1g | 0.0322 | |



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Purchase Order: PO-00124
Received: 07/05/22 10:14

| Potency per 1g | Method: J AOAC 2015 V98-6 (mod) | | Units mg/se | Batch: 2205770 | Analyze: 7/8/22 9:37:00 AM |
|--------------------------------|---------------------------------|--------|-------------|----------------|----------------------------|
| Analyte | Result | Limits | Units | LOQ | Notes |
| CBC-A per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| CBC-Total per 1g [†] | < LOQ | | mg/1g | 0.0604 | |
| CBD per 1g | 55.7 | | mg/1g | 0.322 | |
| CBD-A per 1g | < LOQ | | mg/1g | 0.0322 | |
| CBD-Total per 1g | 55.7 | | mg/1g | 0.350 | |
| CBDV per 1g [†] | 0.190 | | mg/1g | 0.0322 | |
| CBDV-A per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| CBDV-Total per 1g [†] | 0.190 | | mg/1g | 0.0600 | |
| CBE per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| CBG per 1g [†] | 3.22 | | mg/1g | 0.0322 | |
| CBG-A per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| CBG-Total per 1g [†] | 3.22 | | mg/1g | 0.0600 | |
| CBL per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| CBL-A per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| CBL-Total per 1g [†] | < LOQ | | mg/1g | 0.0604 | |
| CBN per 1g | < LOQ | | mg/1g | 0.0322 | |
| CBT per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| Δ8-THCV per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| Δ8-THC per 1g | < LOQ | | mg/1g | 0.0322 | |
| Δ9-THC per 1g | < LOQ | | mg/1g | 0.0322 | |
| exo-THC per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| THC-A per 1g | < LOQ | | mg/1g | 0.0322 | |
| THC-Total per 1g | < LOQ | | mg/1g | 0.0604 | |
| THCV per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| THCV-A per 1g [†] | < LOQ | | mg/1g | 0.0322 | |
| THCV-Total per 1g [†] | < LOQ | | mg/1g | 0.0604 | |
| Total Cannabinoids per 1g | 59.1 | | mg/1g | | |

Microbiology

| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Status | Notes |
|-------------------------|----------|-----------|-------|-----|---------|----------|-------------------------|--------|-------|
| Aerobic Plate Count | < LOQ | 10,000.00 | cfu/g | 10 | 2205690 | 07/08/22 | AOAC 990.12 (Petrifilm) | pass | X, I |
| E.coli | < LOQ | 100.00 | cfu/g | 10 | 2205687 | 07/08/22 | AOAC 991.14 (Petrifilm) | pass | X, I |
| Total Coliforms | < LOQ | 100.00 | cfu/g | 10 | 2205687 | 07/08/22 | AOAC 991.14 (Petrifilm) | pass | X, I |
| Mold (RAPID Petrifilm) | < LOQ | 1,000.00 | cfu/g | 10 | 2205689 | 07/09/22 | AOAC 2014.05 (RAPID) | pass | X, I |
| Yeast (RAPID Petrifilm) | < LOQ | 1,000.00 | cfu/g | 10 | 2205689 | 07/09/22 | AOAC 2014.05 (RAPID) | pass | X, I |
| Salmonella spp. by PCR | Negative | | /5g | | 2205693 | 07/07/22 | AOAC 2020.02 | | X, I |
| EHEC including STEC | Negative | | /5g | | 2205694 | 07/07/22 | AOAC RI 121806 | | X, I |


 Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results
 Batch ID: 2205770

| I AQAC 2015 V98-6 | | | | | | | | | | |
|---------------------------|-----|--------|-------|-------|-------|------------|------------|-------|--|--|
| Laboratory Control Sample | | | | | | | | | | |
| Analyte | LCS | Result | Spike | Units | % Rec | Limits | Evaluation | Notes | | |
| CB DVA | 1 | 0.0352 | 0.033 | % | 105 | 80.0 - 120 | Acceptable | | | |
| CB DV | 1 | 0.0381 | 0.033 | % | 114 | 80.0 - 120 | Acceptable | | | |
| CBE | 1 | 0.0346 | 0.033 | % | 104 | 80.0 - 120 | Acceptable | | | |
| CB DA | 1 | 0.0330 | 0.033 | % | 99.1 | 90.0 - 110 | Acceptable | | | |
| CB GA | 1 | 0.0329 | 0.033 | % | 98.8 | 80.0 - 120 | Acceptable | | | |
| CB G | 1 | 0.0335 | 0.033 | % | 100 | 80.0 - 120 | Acceptable | | | |
| CB D | 1 | 0.0365 | 0.033 | % | 109 | 90.0 - 110 | Acceptable | | | |
| THCV | 1 | 0.0353 | 0.033 | % | 106 | 80.0 - 120 | Acceptable | | | |
| dBTHCV | 1 | 0.0359 | 0.033 | % | 108 | 80.0 - 120 | Acceptable | | | |
| THCVA | 1 | 0.0346 | 0.033 | % | 104 | 80.0 - 120 | Acceptable | | | |
| CBN | 1 | 0.0336 | 0.033 | % | 101 | 90.0 - 110 | Acceptable | | | |
| exo-THC | 1 | 0.0328 | 0.033 | % | 98.3 | 80.0 - 120 | Acceptable | | | |
| dBTHC | 1 | 0.0327 | 0.033 | % | 98.2 | 90.0 - 110 | Acceptable | | | |
| dBTHC | 1 | 0.0308 | 0.033 | % | 92.5 | 90.0 - 110 | Acceptable | | | |
| CB L | 1 | 0.0319 | 0.033 | % | 95.7 | 80.0 - 120 | Acceptable | | | |
| 9S-HHC | 3 | 0.0302 | 0.033 | % | 90.7 | 80.0 - 120 | Acceptable | | | |
| CB C | 1 | 0.0342 | 0.033 | % | 103 | 80.0 - 120 | Acceptable | | | |
| 9R-HHC | 3 | 0.0281 | 0.033 | % | 84.4 | 80.0 - 120 | Acceptable | | | |
| THCA | 1 | 0.0331 | 0.033 | % | 99.4 | 90.0 - 110 | Acceptable | | | |
| CB CA | 1 | 0.0351 | 0.033 | % | 105 | 80.0 - 120 | Acceptable | | | |
| CB LA | 1 | 0.0324 | 0.033 | % | 97.3 | 80.0 - 120 | Acceptable | | | |
| dBTHCO | 3 | 0.0328 | 0.033 | % | 98.5 | 80.0 - 120 | Acceptable | | | |
| CB T | 1 | 0.0314 | 0.033 | % | 94.3 | 80.0 - 120 | Acceptable | | | |
| dBTHCO | 3 | 0.0324 | 0.033 | % | 97.3 | 80.0 - 120 | Acceptable | | | |

Method Blank

| Analyte | Result | LOQ | Units | Limits | Evaluation | Notes |
|---------|--------|---------|-------|-----------|------------|-------|
| CB DVA | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB DV | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CBE | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB DA | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB GA | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB G | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB D | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| THCV | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| dBTHCV | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| THCVA | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CBN | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| exo-THC | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| dBTHC | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| dBTHC | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB L | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| 9S-HHC | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB C | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| 9R-HHC | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| THCA | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB CA | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB LA | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| dBTHCO | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| CB T | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |
| dBTHCO | <LOQ | 0.00067 | % | < 0.00067 | Acceptable | |

Abbreviations

 ND - None Detected at or above MRL
 RPD - Relative Percent Difference
 LOQ - Limit of Quantitation

Units of Measure:

% - Percent



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-007801/D002.R000
Report Date: 07/11/2022
ORELAP#: OR100028
Purchase Order: PO-00124
Received: 07/05/22 10:14

Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

| I AOAC 2015 V98-6 | | Batch ID: 2205770 | | | | | | |
|-------------------|--------|---------------------------|-------|-------|--------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 22-003923-0002 | | | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
| CBDA | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CBDV | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CBE | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CBDA | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CBGA | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CBG | 0.0075 | 0.0075 | 0.003 | % | 0.106 | < .20 | Acceptable | |
| CBD | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| THCV | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| d8THCV | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| THCVA | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CBN | 0.0035 | 0.0034 | 0.003 | % | 1.48 | < .20 | Acceptable | |
| exo-THC | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| d9THC | 0.269 | 0.269 | 0.003 | % | 0.0468 | < .20 | Acceptable | |
| d8THC | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CBL | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| 9S-HHC | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CB C | 0.0050 | 0.0048 | 0.003 | % | 4.20 | < .20 | Acceptable | |
| 9R-HHC | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| THCA | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CB CA | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CB LA | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| d8THCO | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| CBT | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |
| d9THCO | <LOQ | <LOQ | 0.003 | % | NA | < .20 | Acceptable | |

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:



Explanation of QC Flag Comments:

| Code | Explanation |
|------|---|
| Q | Matrix interferences affecting spike or surrogate recoveries. |
| Q1 | Quality control result biased high. Only non-detect samples reported. |
| Q2 | Quality control outside QC limits. Data considered estimate. |
| Q3 | Sample concentration greater than four times the amount spiked. |
| Q4 | Non-homogenous sample matrix, affecting RPD result and/or % recoveries. |
| Q5 | Spike results above calibration curve. |
| Q6 | Quality control outside QC limits. Data acceptable based on remaining QC. |
| R | Relative percent difference (RPD) outside control limit. |
| R1 | RPD non-calculable, as sample or duplicate results are less than five times the LOQ. |
| R2 | Sample replicates RPD non-calculable, as only one replicate is within the analytical range. |
| LOQ1 | Quantitation level raised due to low sample volume and/or dilution. |
| LOQ2 | Quantitation level raised due to matrix interference. |
| B | Analyte detected in method blank, but not in associated samples. |
| B1 | The sample concentration is greater than 5 times the blank concentration. |
| B2 | The sample concentration is less than 5 times the blank concentration. |

BS 25mg

| | | | |
|---|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 22BL06244 | Test: Microbial Contaminants | Reported: 16Jun2022 | USDA License: N/A |
| Matrix: Finished Product | Test ID: T000210041 | Started: 13Jun2022 | Sampler ID: N/A |
| | Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel) | Received: 13Jun2022 | Status: Active |

Microbial

| Contaminants | Method | LOD | Quantitation Range | Result | Notes |
|-----------------------|-----------------------|-------------------------|---|---------------|---|
| STEC | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | Free from visual mold, mildew, and foreign matter |
| <i>Salmonella</i> | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | |
| Total Yeast and Mold* | TM24: Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ | None Detected | |
| Total Aerobic Count* | TM26: Culture Plating | 10 ² CFU/g | 1.0x10 ³ - 1.5x10 ⁵ | None Detected | |
| Total Coliforms* | TM27: Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ | None Detected | |

Final Approval


Brianne Maillot
16Jun2022
10:34:00 AM MDT

PREPARED BY / DATE



Eden Thompson-Wright
16Jun2022
11:17:00 AM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/b069b1fa-38b7-46f9-86ed-65d8a62308a6>
Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
 CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
 ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
 STEC = Shiga Toxin-Producing E. coli

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #A329.02



b069b1fa38b746f986ed65d8a62308a6.1

BS 25mg

| | | | |
|---|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 22BL06244 | Test: Residual Solvents | Reported: 15Jun2022 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000210043 | Started: 14Jun2022 | Sampler ID: N/A |
| | Method(s): TM04 (GC-MS): Residual Solvents | Received: 13Jun2022 | Status: Active |

| Residual Solvents | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane | 116 - 2327 | ND | |
| Butanes (Isobutane, n-Butane) | 177 - 3543 | ND | |
| Methanol | 72 - 1442 | ND | |
| Pentane | 104 - 2083 | ND | |
| Ethanol | 104 - 2089 | ND | |
| Acetone | 112 - 2234 | ND | |
| Isopropyl Alcohol | 118 - 2357 | ND | |
| Hexane | 7 - 146 | ND | |
| Ethyl Acetate | 117 - 2335 | ND | |
| Benzene | 0.2 - 4.7 | ND | |
| Heptanes | 114 - 2273 | ND | |
| Toluene | 21 - 423 | ND | |
| Xylenes (m,p,o-Xylenes) | 155 - 3095 | ND | |

Final Approval


Jacob Miller
15Jun2022
10:55:00 AM MDT

PREPARED BY / DATE



Ryan Weems
15Jun2022
10:56:00 AM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/6af82da7-7730-4d71-b1a7-dfe62b1f3792>
Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.



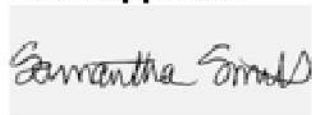
Cert#A329.02

COPHE Certified
6af82da777304d71b1a7dfe62b1f3792.1

BS 25mg

| | | | |
|---|---|-------------------------------|---------------------|
| Batch ID or Lot Number: 22BL06244 | Test: Heavy Metals | Reported: 16Jun2022 | USDA License: NA |
| Matrix: Unit Co | Test ID: T000210042 | Started: 16Jun2022 | Sampler ID: NA |
| | Method(s): TM19 (ICP-MS): Heavy Metals | Received: 13Jun2022 | Status: NA |

| Heavy Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|--------------|---------------------|--------------|-------|
| Arsenic | 0.04 - 4.32 | ND | |
| Cadmium | 0.05 - 4.76 | ND | |
| Mercury | 0.05 - 4.55 | ND | |
| Lead | 0.05 - 4.61 | ND | |

Final Approval


Sam Smith
16Jun2022
05:38:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
16Jun2022
05:42:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/66c5a9df-4185-4a9c-91d0-9192a6067df4>
Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.



Cert#A329.02

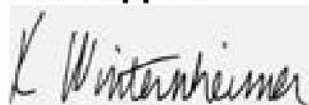
COPHE Certified
66c5a9df41854a9c91d09192a6067df4.1

BS 25mg

| | | | |
|---|-------------------------------------|-------------------------------|---------------------|
| Batch ID or Lot Number: 22BL06244 | Test: Pesticides | Reported: 16Jun2022 | USDA License: NA |
| Matrix: Concentrate | Test ID: T000210040 | Started: 14Jun2022 | Sampler ID: NA |
| | Method(s): TM17 (LC-QQ LC MS/MS) | Received: 13Jun2022 | Status: NA |

| Pesticides | Dynamic Range (ppb) | Result (ppb) | | Dynamic Range (ppb) | Result (ppb) | |
|---------------------|---------------------|--------------|--|---------------------|--------------|----|
| Abamectin | 365 - 2660 | ND | | Malathion | 304 - 2758 | ND |
| Acephate | 45 - 2774 | ND | | Metalaxyl | 51 - 2788 | ND |
| Acetamiprid | 43 - 2778 | ND | | Methiocarb | 39 - 2735 | ND |
| Azoxystrobin | 40 - 2739 | ND | | Methomyl | 42 - 2747 | ND |
| Bifenazate | 42 - 2765 | ND | | MGK 264 1 | 187 - 1618 | ND |
| Boscalid | 15 - 2744 | ND | | MGK 264 2 | 129 - 1129 | ND |
| Carbaryl | 40 - 2776 | ND | | Myclobutanil | 37 - 2661 | ND |
| Carbofuran | 43 - 2761 | ND | | Naled | 28 - 2666 | ND |
| Chlorantraniliprole | 46 - 2731 | ND | | Oxamyl | 3 - 2768 | ND |
| Chlorpyrifos | 47 - 2776 | ND | | Paclobutrazol | 41 - 2732 | ND |
| Clofentezine | 306 - 2776 | ND | | Permethrin | 340 - 2681 | ND |
| Diazinon | 298 - 2777 | ND | | Phosmet | 41 - 2752 | ND |
| Dichlorvos | 311 - 2758 | ND | | Prophos | 290 - 2708 | ND |
| Dimethoate | 45 - 2766 | ND | | Propoxur | 39 - 2744 | ND |
| E-Fenpyroximate | 296 - 2737 | ND | | Pyridaben | 302 - 2767 | ND |
| Etofenprox | 42 - 2726 | ND | | Spinosad A | 36 - 2242 | ND |
| Etoxazole | 299 - 2708 | ND | | Spinosad D | 55 - 497 | ND |
| Fenoxycarb | 45 - 2737 | ND | | Spiromesifen | 306 - 2722 | ND |
| Fipronil | 39 - 2733 | ND | | Spirotetramat | 292 - 2784 | ND |
| Flonicamid | 4 - 2732 | ND | | Spiroxamine 1 | 17 - 1160 | ND |
| Fludioxonil | 260 - 2633 | ND | | Spiroxamine 2 | 21 - 1502 | ND |
| Hexythiazox | 49 - 2737 | ND | | Tebuconazole | 259 - 2755 | ND |
| Imazalil | 286 - 2760 | ND | | Thiacloprid | 41 - 2763 | ND |
| Imidacloprid | 51 - 2800 | ND | | Thiamethoxam | 45 - 2752 | ND |
| Kresoxim-methyl | 53 - 2822 | ND | | Trifloxystrobin | 41 - 2736 | ND |

Final Approval



Karen Winternheimer
16Jun2022
04:48:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
16Jun2022
05:01:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/c05dd92b-e4e2-4d09-9ad6-6966bd306ef1>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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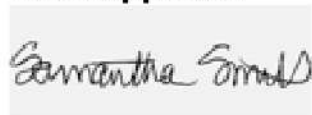


Cert #A129 B2
c05dd92be4e24d099ad66966bd306ef1.1

BS 25mg

| | | | |
|---|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 22BL06244 | Test: Mycotoxins | Reported: 21Jun2022 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000210045 | Started: 17Jun2022 | Sampler ID: N/A |
| | Method(s): TM18 (UHPLC-QQQ LCMS/MS); Mycotoxins | Received: 13Jun2022 | Status: Active |

| Mycotoxins | Dynamic Range (ppb) | Result (ppb) | Notes |
|---------------------------------------|----------------------------|---------------------|--------------|
| Ochratoxin A | 3.15 - 130.64 | ND | N/A |
| Aflatoxin B1 | 1.02 - 32.23 | ND | |
| Aflatoxin B2 | 1.66 - 31.82 | ND | |
| Aflatoxin G1 | 1.02 - 32.10 | ND | |
| Aflatoxin G2 | 1.69 - 32.17 | ND | |
| Total Aflatoxins (B1, B2, G1, and G2) | | ND | |

Final Approval


Sam Smith
21Jun2022
12:43:00 PM MDT

PREPARED BY / DATE



Jacob Miller
21Jun2022
12:46:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/e114be38-320d-4104-beab-599055791069>
Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert#A329.02



Certified Test Laboratory


COPHE Certified
e114be38320d4104beab599055791069.1

BS 25mg

| | | | |
|---|---|-------------------------------|---------------------|
| Batch ID or Lot Number: 22BL06244 | Test: Density | Reported: 15Jun2022 | USDA License: NA |
| Matrix: Concentrate | Test ID: T000210044 | Started: 15Jun2022 | Sampler ID: NA |
| | Method(s): TL-SOP-0034 (Gravimetric) | Received: 13Jun2022 | Status: NA |

Density Analysis

| | Result | Notes |
|---------|------------|--|
| Density | 1.032 g/ml | Free from visual mold, mildew, and foreign matter N/A |

Final Approval



Jacob Miller
15Jun2022
01:58:00 PM MDT

PREPARED BY / DATE



Sam Smith
15Jun2022
02:01:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4c81b232-c11d-45e5-9af4-eaada3dafb22>

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.



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