



CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: HydroPCR

PRODUCT CODE: HPCR-NO-4%-BULK

LOT NUMBER: JP110119HY1 (Sales Order# INBO-001-JE-4, 10.2 g cannabinoids, total of 257.6 g HydroPCR solution)

OIL BATCH NUMBER: COHPCR19-30

DATE OF MANUFACTURE: 08May2019

Expiration date is 18 months under sealed conditions.

ACTIVE INGREDIENT: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Quillaja Extract, Glycerin

| Attributes | Acceptance Criteria | Results | Test Method |
|---------------------|--|--|-------------|
| Appearance | Brown Liquid | Conforms | QCU002 |
| Color | Light Brown | Conforms | QCU002 |
| Cannabinoid Content | 4.0% Phytocannabinoids (± relative 7.5%) THC Not Detected | 3.96% total Phytocannabinoids THC Not Detected | QCU001 |
| Microbial Testing | Total Aerobic Count <2000 CFU/g Total Yeast & Mold <200 CFU/g | Conforms | USP<2021> |

| Package | Acceptance Criteria | Results |
|-------------------|--|----------|
| Primary Package | Container dedusted and wiped clean Container caps screwed on tight | Conforms |
| Secondary Package | Carton Sturdy and clean Sufficient cushion material exists Carton taped on all sides | Conforms |

Storage: Room Temperature (not above 77 F), Protected from Heat, Protect from Light

Prepared by: Nathaniel Troy Inspection Control, Folium Biosciences

Reviewed by: Jarell Munoz Fulfillment, Folium Biosciences

CERTIFICATE OF INTERNAL ANALYSIS

TYPE: Hydro-PCR Nanoemulsion
BATCH No: COHPCR19-30
Date of Manufacture: 08May2019
Date of Analysis: 22May2019

POTENCY RESULTS:

| Cannabinoid | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD | 3.96 | 39.55 |
| CBG | <0.03 | <0.30 |
| CBN | <0.03 | <0.30 |
| THC | ND** | ND** |
| CBC | <0.03 | <0.30 |
| THC-A | ND** | ND** |
| CBD-A | <0.03 | <0.30 |
| CBDV | 0.05 | 0.49 |
| THCV | ND** | ND** |
| MAX THC | ND** | ND** |
| MAX CBD | 3.96 | 39.55 |
| TOTAL ACTIVE | 4.00 | 40.03 |

Residual Solvents*:

| | | | |
|-----------|-------------------------|-------------|-------------------------|
| Propane | Compliant with USP<467> | Pentane | Compliant with USP<467> |
| Isobutane | Compliant with USP<467> | Isopropanol | Compliant with USP<467> |
| Butane | Compliant with USP<467> | Hexane | Compliant with USP<467> |
| Ethanol | Compliant with USP<467> | Acetone | Compliant with USP<467> |

Heavy Metals*:

| | |
|---------|-------------------------|
| Cadmium | Compliant with USP<233> |
| Lead | Compliant with USP<233> |
| Arsenic | Compliant with USP<233> |
| Mercury | Compliant with USP<233> |

TERPENE RESULTS*:

| | Wt. (%) | | Wt. (%) |
|------------------------|---------|---------------------|---------|
| β -Bisabolene | < 0.1 | Camphene | < 0.1 |
| β -Farnesene | < 0.1 | E-Farnesene | < 0.1 |
| Guaiol | < 0.1 | Farnesol | < 0.1 |
| β -Maaliene | < 0.1 | α -Bisabolol | < 0.1 |
| Calarene | < 0.1 | P-Cymene | < 0.1 |
| β -Caryophyllene | < 0.1 | Linalool | < 0.1 |
| α -Humulene | < 0.1 | Myrcene | < 0.1 |
| Cadinene | < 0.1 | Phytol | < 0.1 |
| α -Gurjunene | < 0.1 | Isopulegol | < 0.1 |
| d-Limonene | < 0.1 | Terpinene | < 0.1 |
| Nerolidol | < 0.1 | Geraniol | < 0.1 |
| α -Pinene | < 0.1 | Myrcene | < 0.1 |
| Aristolene | < 0.1 | γ -Terpinene | < 0.1 |
| Eucalyptol | < 0.1 | δ -3-Carene | < 0.1 |

Pesticides*:

| | | | |
|--------------|-------|---------------|-------|
| Acequinocyl | ND*** | Spinosad | ND*** |
| Pyrethrium | ND*** | Spirotetramat | ND*** |
| Spiromesifen | ND*** | Bifenazate | ND*** |
| Abamectin | ND*** | Fenoxycarb | ND*** |
| Imidacloprid | ND*** | Paclobutrazol | ND*** |

Test ID: 0522195A

*Batches are sent out regularly for testing, not all batches tested

** ND = Not Detected using a validated high-performance liquid chromatography test method, LOD = 0.03%

***Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

Batch Release:

Chemist: Lena Johnson

Manager: Ashley Orosco

COPY
23 May 2019



CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: THC-Free Phytocannabinoid-Rich Water Soluble Powder

PRODUCT CODE: WSP-NO-20%-BULK

LOT NUMBER: JP110119WSP1 (Sales Order# INBO-001-JE-2, 10.2 g cannabinoids, Total of 48.8 g Water Soluble Powder)

BATCH NUMBER: COWSPA19-34

DATE OF MANUFACTURE: 28Jun2019

Expiration date is 18 months under sealed conditions.

ACTIVE INGREDIENTS: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Dextrin, Acacia Gum, Sunflower Lecithin, Vitamin E.

| Attributes | Acceptance Criteria | Results | Test Method |
|---------------------|---|--|-------------|
| Appearance | Amorphous powder | Conforms | QCU002 |
| Odor | Characteristic | Conforms | QCU002 |
| Color | Pale yellow to beige | Conforms | QCU002 |
| Dissolution | Completely dissolves within timely manner | Conforms | QCU002 |
| Cannabinoid Content | 20% total Phytocannabinoids (2% Tolerance), THC Not Detected | 20.92% total Phytocannabinoids, THC Not Detected | QCU001 |

| Package | Acceptance Criteria | Results |
|-------------------|--|----------|
| Primary Package | Container dedusted and wiped clean. Container caps screwed on tight | Conforms |
| Secondary Package | Carton Sturdy and clean. Sufficient cushion material exists. Carton taped on all sides | Conforms |

Recommended Uses: This product is intended for dissolution immediately before consumption, and not for creating shelf stable beverages. Maximum recommended solubility is 100 mg/fl oz for liquid formulations. For dissolution in water, dissolve powder into warm water and mix under sterilized conditions. For solid products, mix an appropriate amount until desired potency is reached. Qualify storage temperature and preservatives (if needed) for the liquid and solid products, separately. Although Water-Soluble Powder is stable in its pure, anhydrous form and suitable for use in slurries, pastes, thick liquids, and solid finished products. It should only be mixed with other ingredients under sterilized manufacturing conditions and the finished product tested to ensure homogeneity and shelf life.

Storage: Room Temperature, Protect from Light, Protect from Moisture

Prepared by: *Soler Pate* Inspection Control, Folium Biosciences

Reviewed by: *Jasell Muniz* Fulfillment, Folium Biosciences

This product is not intended to diagnose, treat, cure, or prevent any disease and has not been evaluated by the FDA.



CERTIFICATE OF INTERNAL ANALYSIS

TYPE: Phytocannabinoid-Rich Water Soluble Powder

BATCH No: COWSPA19-34

Date of Manufacture: 28Jun2019

Date of Analysis: 28Jun2019

POTENCY RESULTS:

| Cannabinoid | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD | 20.92 | 209.17 |
| CBG | <0.03 | <0.30 |
| CBN | <0.03 | <0.30 |
| THC | ND** | ND** |
| CBC | <0.03 | <0.30 |
| THC-A | ND** | ND** |
| CBD-A | <0.03 | <0.30 |
| CBDV | 0.20 | 1.98 |
| CBDV-A | 0.04 | 0.39 |
| THCV | ND** | ND** |
| MAX THC | ND** | ND** |
| MAX CBD | 20.92 | 209.17 |
| TOTAL ACTIVE | 21.15 | 211.49 |

Residual Solvents*:

| | | | |
|-----------|-------------------------|-------------|-------------------------|
| Propane | Compliant with USP<467> | Pentane | Compliant with USP<467> |
| Isobutane | Compliant with USP<467> | Isopropanol | Compliant with USP<467> |
| Butane | Compliant with USP<467> | Hexane | Compliant with USP<467> |
| Ethanol | Compliant with USP<467> | Acetone | Compliant with USP<467> |

Heavy Metals*:

| | |
|---------|-------------------------|
| Cadmium | Compliant with USP<233> |
| Lead | Compliant with USP<233> |
| Arsenic | Compliant with USP<233> |
| Mercury | Compliant with USP<233> |

TERPENE RESULTS*:

| | Wt. (%) | | Wt. (%) |
|------------------------|---------|---------------------|---------|
| β -Bisabolene | < 0.1 | Camphene | < 0.1 |
| β -Farnesene | < 0.1 | E-Farnesene | < 0.1 |
| Guaiol | < 0.1 | Farnesol | < 0.1 |
| β -Maaliene | < 0.1 | α -Bisabolol | < 0.1 |
| Calarene | < 0.1 | P-Cymene | < 0.1 |
| β -Caryophyllene | < 0.1 | Linalool | < 0.1 |
| α -Humulene | < 0.1 | Myrcene | < 0.1 |
| Cadinene | < 0.1 | Phytol | < 0.1 |
| α -Gurjunene | < 0.1 | Isopulegol | < 0.1 |
| d-Limonene | < 0.1 | Terpinene | < 0.1 |
| Nerolidol | < 0.1 | Geraniol | < 0.1 |
| α -Pinene | < 0.1 | Myrcene | < 0.1 |
| Aristolene | < 0.1 | γ -Terpinene | < 0.1 |
| Eucalyptol | < 0.1 | δ -3-Carene | < 0.1 |

Pesticides*:

| | | | |
|--------------|-------|---------------|-------|
| Acequinocyl | ND*** | Spinosad | ND*** |
| Pyrethrium | ND*** | Spirotetramat | ND*** |
| Spiromesifen | ND*** | Bifenazate | ND*** |
| Abamectin | ND*** | Fenoxycarb | ND*** |
| Imidacloprid | ND*** | Paclobutrazol | ND*** |

Test ID: 062819ZM

*Batches are sent out regularly for testing, not all batches tested

** ND = Not Detected using a validated high-performance liquid chromatography test method

***Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

Batch Release:

Chemist: Zosha McKinney

Zosha McKinney 01Jul2019

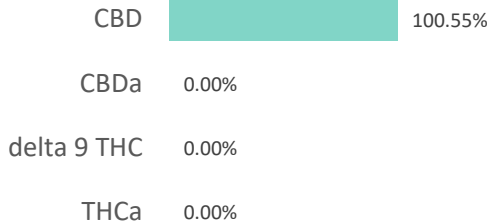
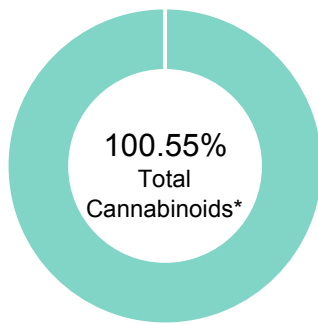
Manager: Ashley Orosco

Ashley Orosco 01Jul2019

COPY
Zosha McKinney 01Jul2019

ISOLATE 19I1011607

| | | | |
|------------------|-------------|-----------------|--------------|
| Batch ID: | N/A | Test ID: | 7230726.0015 |
| Reported: | 19-Jul-2019 | Method: | TM14 |
| Type: | Concentrate | | |
| Test: | Potency | | |

CANNABINOID PROFILE


| Compound | LOQ (%) | Result (%) | Result (mg/g) |
|--|---------|---------------|----------------|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.23 | 0.00 | 0.0 |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.12 | 0.00 | 0.0 |
| Cannabidiolic acid (CBDA) | 0.26 | 0.00 | 0.0 |
| Cannabidiol (CBD) | 0.15 | 100.55 | 1005.5 |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 0.13 | 0.00 | 0.0 |
| Cannabinolic Acid (CBNA) | 0.32 | 0.00 | 0.0 |
| Cannabinol (CBN) | 0.14 | 0.00 | 0.0 |
| Cannabigerolic acid (CBGA) | 0.20 | 0.00 | 0.0 |
| Cannabigerol (CBG) | 0.11 | 0.00 | 0.0 |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.20 | 0.00 | 0.0 |
| Tetrahydrocannabivarin (THCV) | 0.10 | 0.00 | 0.0 |
| Cannabidivarinic Acid (CBDVA) | 0.24 | 0.00 | 0.0 |
| Cannabidivarin (CBDV) | 0.13 | 0.00 | 0.0 |
| Cannabichromenic Acid (CBCA) | 0.17 | 0.00 | 0.0 |
| Cannabichromene (CBC) | 0.21 | 0.00 | 0.0 |
| Total Cannabinoids | | 100.55 | 1005.50 |
| Total Potential THC** | | 0.00 | 0.00 |
| Total Potential CBD** | | 100.55 | 1005.50 |


NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Tyler Wiese
 19-Jul-2019
 3:06 PM

PREPARED BY / DATE



David Green
 19-Jul-2019
 3:55 PM

APPROVED BY / DATE

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 17025:2005 Accredited A2LA Certificate Number 4329.02





CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: THC-Free Phytocannabinoid-Rich Hemp Oil

PRODUCT CODE: NO-10g-BULK

LOT NUMBER: JP110119B1 (Sales Order# INBO-001-JE-1, Total of 10.3 g cannabinoids, Total of 11.7 g Oil)

OIL BATCH NUMBER: CONO19-102

DATE OF MANUFACTURE: 20Jul2019

Expiration date is 24 months under sealed conditions.

ACTIVE INGREDIENT: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: N/A

| Attributes | Acceptance Criteria | Results | Test Method |
|---------------------|--|---|-------------|
| Appearance | Viscous Amber Oil Possible Crystal Formation | Conforms | QCU002 |
| Odor | Characteristic | Conforms | QCU002 |
| Color | Dark Amber | Conforms | QCU002 |
| Dissolution | Not cloudy or turbid, characteristic color | Conforms | QCU002 |
| Cannabinoid Content | 80% total Phytocannabinoids, THC - report results | 87.75 % total Phytocannabinoids, THC Not Detected | QCU001 |
| Microbial Testing | Total Aerobic Count <2000 CFU/g Total Yeast & Mold <200 CFU/g | Conforms | USP<2021> |

| Package | Acceptance Criteria | Results |
|-------------------|--|----------|
| Primary Package | Container dedusted and wiped clean. Container caps screwed on tight | Conforms |
| Secondary Package | Carton Sturdy and clean. Sufficient cushion material exists. Carton taped on all sides | Conforms |

Note: When sampling, manufacturing, or formulating with this oil, the oil MUST first be heated and liquefied at 70-75°C and mixed thoroughly. Attempting to sample the oil when it is in a semi-solid state will not result in accurate analytical results.

Storage: Room Temperature, Protect from Light

Prepared by: Nathaniel King Inspection Control, Folium Biosciences

Reviewed by: Jasell Munoz Fulfillment, Folium Biosciences

This product is not intended to diagnose, treat, cure, or prevent any disease and has not been evaluated by the FDA.



CERTIFICATE OF INTERNAL ANALYSIS

TYPE: Phytocannabinoid-Rich Hemp Oil/ THC-free

BATCH No: CONO19-102

Date of Manufacture: 20Jul2019

Date of Analysis: 22Jul2019

POTENCY RESULTS:

| Cannabinoid | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD | 87.75 | 877.51 |
| CBG | <0.03 | <0.30 |
| CBN | <0.03 | <0.30 |
| THC | ND** | ND** |
| CBC | <0.03 | <0.30 |
| THC-A | ND** | ND** |
| CBD-A | <0.03 | <0.30 |
| CBDV | 1.30 | 13.03 |
| CBDV-A | <0.03 | <0.30 |
| THCV | ND** | ND** |
| MAX THC | ND** | ND** |
| MAX CBD | 87.75 | 877.51 |
| TOTAL ACTIVE | 89.05 | 890.54 |

Residual Solvents*:

| | | | |
|-----------|-------------------------|-------------|-------------------------|
| Propane | Compliant with USP<467> | Pentane | Compliant with USP<467> |
| Isobutane | Compliant with USP<467> | Isopropanol | Compliant with USP<467> |
| Butane | Compliant with USP<467> | Hexane | Compliant with USP<467> |
| Ethanol | Compliant with USP<467> | Acetone | Compliant with USP<467> |

Heavy Metals*:

| | |
|---------|-------------------------|
| Cadmium | Compliant with USP<233> |
| Lead | Compliant with USP<233> |
| Arsenic | Compliant with USP<233> |
| Mercury | Compliant with USP<233> |

TERPENE RESULTS*:

| | Wt. (%) | | Wt. (%) |
|------------------------|---------|---------------------|---------|
| β -Bisabolene | 1.0-3.0 | Camphene | 0.1-0.2 |
| β -Farnesene | 1.0-2.0 | E-Farnesene | 0.1-0.2 |
| Guaiol | 0.5-2.0 | Farnesol | 0.1-0.2 |
| β -Maaliene | 0.5-2.0 | α -Bisabolol | < 0.1 |
| Calarene | 0.5-1.5 | P-Cymene | < 0.1 |
| β -Caryophyllene | 0.1-1.0 | Linalool | < 0.1 |
| α -Humulene | 0.1-1.0 | Myrcene | < 0.1 |
| Cadinene | 0.1-1.0 | Phytol | < 0.1 |
| α -Gurjunene | 0.1-0.5 | Isopulegol | < 0.1 |
| d-Limonene | 0.1-0.5 | Terpinene | < 0.1 |
| Nerolidol | 0.1-0.5 | Geraniol | < 0.1 |
| α -Pinene | 0.1-0.5 | Myrcene | < 0.1 |
| Aristolene | 0.1-0.3 | γ -Terpinene | < 0.1 |
| Eucalyptol | 0.1-0.2 | δ -3-Carene | < 0.1 |

Pesticides*:

| | | | |
|--------------|-------|---------------|-------|
| Acequinocyl | ND*** | Spinosad | ND*** |
| Pyrethrium | ND*** | Spirotetramat | ND*** |
| Spiromesifen | ND*** | Bifenazate | ND*** |
| Abamectin | ND*** | Fenoxycarb | ND*** |
| Imidacloprid | ND*** | Paclobutrazol | ND*** |

Test ID: 072219ZM

*Batches are sent out regularly for testing, not all batches tested

**ND = Not Detected using a high-performance liquid chromatography test method

***Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

Batch Release

Chemist: Lena Johnson

Manager: Ashley Orsco

Lena Johnson 24Jul2019

Ashley Orsco 24Jul2019

COPY
28 Jul 2019 15
24 EE 15 24 Jul 2019



Folium Biosciences

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: THC-Free Phytocannabinoid-Rich Water Soluble Liquid

PRODUCT CODE: WSL-NO-35%-BULK

LOT NUMBER: JP110119WSL1 (Sales Order# INBO-001-JE-3, 10.3 g cannabinoids, total of 29.2 g Water Soluble Liquid)

OIL BATCH NUMBER: CONO19-102

DATE OF MANUFACTURE: 01Nov2019

Expiration date is 18 months under sealed conditions.

ACTIVE INGREDIENT: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Polysorbate emulsifiers

| Attributes | Acceptance Criteria | Results | Test Method |
|---------------------|--|--|-------------|
| Appearance | Viscous Clear Oil | Conforms | QCU002 |
| Odor | Characteristic | Conforms | QCU002 |
| Color | Light Amber | Conforms | QCU002 |
| Cannabinoid Content | 35% Phytocannabinoids (± relative 5%) THC Not Detected | 35% total Phytocannabinoids THC Not Detected | QCU001 |
| Microbial Testing | Total Aerobic Count <2000 CFU/g Total Yeast & Mold <200 CFU/g | Conforms | USP 2021 |

| Package | Acceptance Criteria | Results |
|-------------------|--|----------|
| Primary Package | Container dedusted and wiped clean Container caps screwed on tight | Conforms |
| Secondary Package | Carton Sturdy and clean Sufficient cushion material exists Carton taped on all sides | Conforms |

Storage: Room Temperature, Protect from Light

Prepared by: *Julia Scott* Inspection Control, Folium Biosciences

Reviewed by: *Jessie Murray* Fulfillment, Folium Biosciences

This product is not intended to diagnose, treat, cure, or prevent any disease and has not been evaluated by the FDA.



CERTIFICATE OF INTERNAL ANALYSIS

TYPE: Phytocannabinoid-Rich Hemp Oil/ THC-free

BATCH No: CONO19-102

Date of Manufacture: 20Jul2019

Date of Analysis: 22Jul2019

POTENCY RESULTS:

| Cannabinoid | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD | 87.75 | 877.51 |
| CBG | <0.03 | <0.30 |
| CBN | <0.03 | <0.30 |
| THC | ND** | ND** |
| CBC | <0.03 | <0.30 |
| THC-A | ND** | ND** |
| CBD-A | <0.03 | <0.30 |
| CBDV | 1.30 | 13.03 |
| CBDV-A | <0.03 | <0.30 |
| THCV | ND** | ND** |
| MAX THC | ND** | ND** |
| MAX CBD | 87.75 | 877.51 |
| TOTAL ACTIVE | 89.05 | 890.54 |

Residual Solvents*:

| | | | |
|-----------|-------------------------|-------------|-------------------------|
| Propane | Compliant with USP<467> | Pentane | Compliant with USP<467> |
| Isobutane | Compliant with USP<467> | Isopropanol | Compliant with USP<467> |
| Butane | Compliant with USP<467> | Hexane | Compliant with USP<467> |
| Ethanol | Compliant with USP<467> | Acetone | Compliant with USP<467> |

Heavy Metals*:

| | |
|---------|-------------------------|
| Cadmium | Compliant with USP<233> |
| Lead | Compliant with USP<233> |
| Arsenic | Compliant with USP<233> |
| Mercury | Compliant with USP<233> |

TERPENE RESULTS*:

| | Wt. (%) | | Wt. (%) |
|------------------------|---------|---------------------|---------|
| β -Bisabolene | 1.0-3.0 | Camphene | 0.1-0.2 |
| β -Farnesene | 1.0-2.0 | E-Farnesene | 0.1-0.2 |
| Guaiol | 0.5-2.0 | Farnesol | 0.1-0.2 |
| β -Maaliene | 0.5-2.0 | α -Bisabolol | < 0.1 |
| Calarene | 0.5-1.5 | P-Cymene | < 0.1 |
| β -Caryophyllene | 0.1-1.0 | Linalool | < 0.1 |
| α -Humulene | 0.1-1.0 | Myrcene | < 0.1 |
| Cadinene | 0.1-1.0 | Phytol | < 0.1 |
| α -Gurjunene | 0.1-0.5 | Isopulegol | < 0.1 |
| d-Limonene | 0.1-0.5 | Terpinene | < 0.1 |
| Nerolidol | 0.1-0.5 | Geraniol | < 0.1 |
| α -Pinene | 0.1-0.5 | Myrcene | < 0.1 |
| Aristolene | 0.1-0.3 | γ -Terpinene | < 0.1 |
| Eucalyptol | 0.1-0.2 | δ -3-Carene | < 0.1 |

Pesticides*:

| | | | |
|--------------|-------|---------------|-------|
| Acequinocyl | ND*** | Spinosad | ND*** |
| Pyrethrium | ND*** | Spirotetramat | ND*** |
| Spiromesifen | ND*** | Bifenazate | ND*** |
| Abamectin | ND*** | Fenoxycarb | ND*** |
| Imidacloprid | ND*** | Paclobotrazol | ND*** |

Test ID: 072219ZM

*Batches are sent out regularly for testing, not all batches tested

**ND = Not Detected using a high-performance liquid chromatography test method

***Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

Batch Release

Chemist: Leila Johnson

Leila Johnson 24Jul2019

Manager: Ashley Orasco

Ashley Orasco 24Jul2019

COPY
28 Jul 2019 15
24 EE 15 24 Jul 2019

Sample Name: CBD Isolate
 LIMS Sample ID: 191206P014
 Batch #:
 Source Metr ID(s):

 Sample Type: Concentrate, Product Inhalable
 Batch Count:
 Sample Count:
 Unit Mass: 1 Grams per Unit
 Serving Mass:
 Density:

Date Collected: 12/06/2019
 Date Received: 12/06/2019
 Tested for: Lassen Labs

 License #:
 Address:

 Produced by:

 License #:
 Address:

Overall result for batch: Pass

Moisture Test Results

Results (%)
 Moisture NT

Cannabinoid Test Results

12/10/2019

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

| | mg/g | % | LOD / LOQ mg/g |
|-------|---------|---------|----------------|
| Δ9THC | ND | ND | 0.052 / 0.158 |
| Δ8THC | ND | ND | 0.053 / 0.162 |
| THCa | ND | ND | 0.052 / 0.156 |
| THCV | ND | ND | 0.023 / 0.069 |
| THCVa | ND | ND | 0.091 / 0.276 |
| CBD | 989.353 | 98.9353 | 0.052 / 0.158 |
| CBDa | ND | ND | 0.052 / 0.156 |
| CBDV | 1.779 | 0.1779 | 0.021 / 0.063 |
| CBDVa | ND | ND | 0.037 / 0.111 |
| CBG | ND | ND | 0.03 / 0.092 |
| CBGa | ND | ND | 0.044 / 0.133 |
| CBL | ND | ND | 0.13 / 0.393 |
| CBN | ND | ND | 0.052 / 0.157 |
| CBC | ND | ND | 0.031 / 0.094 |
| CBCa | ND | ND | 0.129 / 0.392 |

| Sum of Cannabinoids: | 991.132 | 99.1132 | 991.132 mg/Unit |
|------------------------------|---------|---------|-----------------|
| Total THC (Δ9THC+0.877*THCa) | ND | ND | ND |
| Total CBD (CBD+0.877*CBDa) | 989.353 | 98.9353 | 989.353 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 |
|---------------------|------|---|----------------|
| ☐ Bisabolol | NT | | |
| ☐ Pinene | NT | | |
| 3 Carene | NT | | |
| Borneol | NT | | |
| ☐ Caryophyllene | NT | | |
| Geraniol | NT | | |
| ☐ Humulene | NT | | |
| Terpinolene | NT | | |
| Valencene | NT | | |
| Menthol | NT | | |
| Nerolidol | NT | | |
| Camphene | NT | | |
| Eucalyptol | NT | | |
| ☐ Cedrene | NT | | |
| Camphor | NT | | |
| (-)-Isopulegol | NT | | |
| Sabinene | NT | | |
| ☐ Terpinene | NT | | |
| Terpinene | NT | | |
| Linalool | NT | | |
| Limonene | NT | | |
| Myrcene | NT | | |
| Fenchol | NT | | |
| ☐ Phellandrene | NT | | |
| Caryophyllene Oxide | NT | | |
| Terpineol | NT | | |
| ☐ Pinene | NT | | |
| R(+)-Pulegone | NT | | |
| Geranyl Acetate | NT | | |
| Citronellol | NT | | |
| p-Cymene | NT | | |
| Ocimene | NT | | |
| Guaiol | NT | | |
| Phytol | NT | | |
| Isoborneol | NT | | |

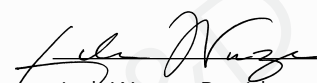
Total Terpene Concentration: NT

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.



Scan to verify at sclabs.com
 Sample must be marked as
 public to be viewable


 Josh Wurzer, President
 Date: 12/12/2019
 CoA ID: 191206P014-001 - Page 1 of 3

Sample Name: CBD Isolate
 LIMS Sample ID: 191206P014
 Batch #:
 Source Metric ID(s):
 Sample Type: Concentrate, Product Inhalable
 Batch Count:
 Sample Count:
 Unit Mass: 1 Grams per Unit
 Serving Mass:
 Density:

Date Collected: 12/06/2019
 Date Received: 12/06/2019
 Tested for: Lassen Labs
 License #:
 Address:
 Produced by:
 License #:
 Address:

Overall result for batch: Pass

Pesticide Test Results - Pass

12/12/2019

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 |
|-------------------------|----------------|-------------------|----------------|
| Abamectin | Pass ND | 0.1 | 0.030 / 0.091 |
| Acephate | Pass ND | 0.1 | 0.013 / 0.039 |
| Acequinocyl | Pass ND | 0.1 | 0.010 / 0.031 |
| Acetamiprid | Pass ND | 0.1 | 0.013 / 0.038 |
| Azoxystrobin | Pass ND | 0.1 | 0.015 / 0.047 |
| Bifenazate | Pass ND | 0.1 | 0.012 / 0.035 |
| Bifenthrin | Pass ND | 3.0 | 0.013 / 0.038 |
| Boscalid | Pass ND | 0.1 | 0.008 / 0.023 |
| Captan | Pass ND | 0.7 | 0.099 / 0.300 |
| Carbaryl | Pass ND | 0.5 | 0.014 / 0.043 |
| Chlorantraniliprole | Pass ND | 10.0 | 0.020 / 0.061 |
| Clofentezine | Pass ND | 0.1 | 0.009 / 0.027 |
| Cyfluthrin | Pass ND | 2.0 | 0.099 / 0.299 |
| Cypermethrin | Pass ND | 1.0 | 0.030 / 0.091 |
| Diazinon | Pass ND | 0.1 | 0.009 / 0.027 |
| Dimethomorph | Pass ND | 2.0 | 0.018 / 0.055 |
| Etoxazole | Pass ND | 0.1 | 0.007 / 0.022 |
| Fenhexamid | Pass ND | 0.1 | 0.015 / 0.045 |
| Fenpyroximate | Pass ND | 0.1 | 0.012 / 0.036 |
| Fonicamid | Pass ND | 0.1 | 0.022 / 0.066 |
| Fludioxonil | Pass ND | 0.1 | 0.020 / 0.061 |
| Hexythiazox | Pass ND | 0.1 | 0.009 / 0.027 |
| Imidacloprid | Pass ND | 5.0 | 0.017 / 0.050 |
| Kresoxim-methyl | Pass ND | 0.1 | 0.010 / 0.029 |
| Malathion | Pass ND | 0.5 | 0.006 / 0.019 |
| Metalaxyl | Pass ND | 2.0 | 0.011 / 0.033 |
| Methomyl | Pass ND | 1.0 | 0.022 / 0.067 |
| Myclobutanil | Pass ND | 0.1 | 0.015 / 0.044 |
| Naled | Pass ND | 0.1 | 0.010 / 0.031 |
| Oxamyl | Pass ND | 0.5 | 0.014 / 0.042 |
| Pentachloronitrobenzene | Pass ND | 0.1 | 0.020 / 0.061 |
| Permethrin | Pass ND | 0.5 | 0.027 / 0.082 |
| Phosmet | Pass ND | 0.1 | 0.010 / 0.030 |
| Piperonylbutoxide | Pass ND | 3.0 | 0.007 / 0.020 |
| Prallethrin | Pass ND | 0.1 | 0.011 / 0.032 |
| Propiconazole | Pass ND | 0.1 | 0.004 / 0.013 |
| Pyrethrins | Pass ND | 0.5 | 0.012 / 0.036 |
| Pyridaben | Pass ND | 0.1 | 0.007 / 0.020 |
| Spinetoram | Pass ND | 0.1 | 0.006 / 0.017 |
| Spinosad | Pass ND | 0.1 | 0.010 / 0.031 |
| Spiromesifen | Pass ND | 0.1 | 0.005 / 0.015 |
| Spirotetramat | Pass ND | 0.1 | 0.014 / 0.042 |
| Tebuconazole | Pass ND | 0.1 | 0.006 / 0.018 |
| Thiamethoxam | Pass ND | 5.0 | 0.011 / 0.033 |
| Trifloxystrobin | Pass ND | 0.1 | 0.007 / 0.020 |

Pesticide Test Results - Pass

12/12/2019

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 |
|-------------------|----------------|-------------------|----------------|
| Aldicarb | Pass ND | ND | 0.030 / 0.091 |
| Carbofuran | Pass ND | ND | 0.029 / 0.089 |
| Chlordane | Pass ND | ND | 0.032 / 0.097 |
| Chlorfenapyr | Pass ND | ND | 0.030 / 0.090 |
| Chlorpyrifos | Pass ND | ND | 0.029 / 0.089 |
| Coumaphos | Pass ND | ND | 0.029 / 0.089 |
| Daminozide | Pass ND | ND | 0.030 / 0.091 |
| DDVP (Dichlorvos) | Pass ND | ND | 0.029 / 0.089 |
| Dimethoate | Pass ND | ND | 0.029 / 0.089 |
| Ethoprop(hos) | Pass ND | ND | 0.029 / 0.089 |
| Etofenprox | Pass ND | ND | 0.029 / 0.089 |
| Fenoxycarb | Pass ND | ND | 0.029 / 0.089 |
| Fipronil | Pass ND | ND | 0.029 / 0.089 |
| Imazalil | Pass ND | ND | 0.029 / 0.089 |
| Methiocarb | Pass ND | ND | 0.029 / 0.089 |
| Methyl parathion | Pass ND | ND | 0.029 / 0.089 |
| Mevinphos | Pass ND | ND | 0.029 / 0.089 |
| Paclobutrazol | Pass ND | ND | 0.029 / 0.089 |
| Propoxur | Pass ND | ND | 0.029 / 0.089 |
| Spiroxamine | Pass ND | ND | 0.029 / 0.089 |
| Thiacloprid | Pass ND | ND | 0.029 / 0.089 |

Mycotoxin Test Results - Pass

12/10/2019

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

| | Results (µg/kg) | Action Limit µg/kg | LOD / LOQ µg/kg |
|--------------------------|-----------------|--------------------|-----------------|
| Aflatoxin B1 | Pass ND | 20.0 | 1.0 / 3.0 |
| Aflatoxin B2 | Pass ND | 20.0 | 2.0 / 6.0 |
| Aflatoxin G1 | Pass ND | 20.0 | 1.0 / 3.0 |
| Aflatoxin G2 | Pass ND | 20.0 | 2.0 / 6.0 |
| Aflatoxin B1, B2, G1, G2 | Pass ND | 20.0 | |
| Ochratoxin A | Pass ND | 20.0 | 6.0 / 18.0 |

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: 12/12/2019

CoA ID: 191206P014-001 - Page 2 of 3

Sample Name: CBD Isolate

LIMS Sample ID: 191206P014

Batch #:

Source Metric ID(s):

Sample Type: Concentrate, Product Inhalable

Batch Count:

Sample Count:

Unit Mass: 1 Grams per Unit

Serving Mass:

Density:

Date Collected: 12/06/2019

Date Received: 12/06/2019

Tested for: Lassen Labs

License #:

Address:

Produced by:

License #:

Address:

Overall result for batch: Pass

Residual Solvent Test Results - Pass

12/09/2019

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 / 44.549 |
| 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 / 35.679 |
| 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 220.494 | 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 - Pass

12/09/2019

PCR and fluorescence detection of microbiological impurities

| | Results | Action Limit |
|--|---------|--------------|
| Shiga toxin-producing Escherichia coli | Pass ND | ND |
| Salmonella spp. | Pass ND | ND |
| Aspergillus fumigatus | Pass ND | ND |
| Aspergillus flavus | Pass ND | ND |
| Aspergillus niger | Pass ND | ND |
| Aspergillus terreus | Pass ND | ND |

3M Petrifilm and plate counts for microbiological contamination

| | Results (cfu/g) |
|----------------------|-----------------|
| Aerobic Plate Count | NT |
| Total Yeast and Mold | NT |

Foreign Material Test Results

NT

Water Activity Test Results

| Water Activity | Results (Aw) | Action Limit Aw |
|----------------|--------------|-----------------|
| | NT | |

Heavy Metal Test Results - Pass

12/10/2019

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 | 0.2 | 0.012 / 0.035 |
| Lead | Pass ND | 0.5 | 0.031 / 0.095 |
| Arsenic | Pass ND | 0.2 | 0.013 / 0.039 |
| Mercury | Pass ND | 0.1 | 0.002 / 0.005 |

Note

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.



Scan to verify at sclabs.com
 Sample must be marked as public to be viewable



Josh Wurzer, President

Date: 12/12/2019

CoA ID: 191206P014-001 - Page 3 of 3

SAMPLE NAME: Lassen Labs Relief Cream 1000mg CBD

Infused, Topical

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR

Business Name: Lassen Labs
License Number:
Address:



SAMPLE DETAIL

Batch Number: Lot# 0112A
Sample ID: 200508U001

Date Collected: 05/08/2020
Date Received: 05/08/2020
Batch Size:
Sample Size: 1.0 Unit(s)
Unit Mass: 50 Grams per Unit
Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: **Not Detected**

Total CBD: **1025.750 mg/unit**

Total Cannabinoids: **1042.850 mg/unit**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC = $\Delta 9\text{THC} + (\text{THCa} \cdot 0.877)$
Total CBD = $\text{CBD} + (\text{CBDa} \cdot 0.877)$
Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

Moisture: NT

Density: NT

Viscosity: NT

SAFETY ANALYSIS - SUMMARY

Pesticides: **☑PASS**

Mycotoxins: NT

Residual Solvents: **☑PASS**

Heavy Metals: **☑PASS**

Microbial Impurities (PCR): NT

Microbial Impurities (Plating): NT

Foreign Material: NT

Water Activity: NT

Vitamin E Acetate: NT


For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. 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.

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.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)


LQC verified by: Josh Antunovich
Date: 05/20/2020


Approved by: Josh Wurzer, President
Date: 05/20/2020



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP - (1157) Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected

Total THC ($\Delta 9\text{THC} + 0.877 * \text{THCa}$)

TOTAL CBD: 1025.750 mg/unit

Total CBD ($\text{CBD} + 0.877 * \text{CBDa}$)

TOTAL CANNABINOIDS: 1042.850 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8\text{THC}$ + CBL + CBN

TOTAL CBG: ND

Total CBG ($\text{CBG} + 0.877 * \text{CBGa}$)

TOTAL THCV: ND

Total THCV ($\text{THCV} + 0.877 * \text{THCVa}$)

TOTAL CBC: ND

Total CBC ($\text{CBC} + 0.877 * \text{CBCa}$)

TOTAL CBDV: 17.100 mg/unit

Total CBDV ($\text{CBDV} + 0.877 * \text{CBDVa}$)

CANNABINOID TEST RESULTS - 05/10/2020

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| CBD | 0.004 / 0.011 | ± 0.9827 | 20.515 | 2.0515 |
| CBDV | 0.002 / 0.007 | ± 0.0179 | 0.342 | 0.0342 |
| $\Delta 9\text{THC}$ | 0.002 / 0.005 | N/A | ND | ND |
| $\Delta 8\text{THC}$ | 0.01 / 0.02 | N/A | ND | ND |
| THCa | 0.001 / 0.002 | N/A | ND | ND |
| THCV | 0.002 / 0.008 | N/A | ND | ND |
| THCVa | 0.002 / 0.005 | N/A | ND | ND |
| CBDa | 0.001 / 0.003 | N/A | ND | ND |
| CBDVa | 0.001 / 0.003 | N/A | ND | ND |
| CBG | 0.002 / 0.005 | N/A | ND | ND |
| CBGa | 0.002 / 0.006 | N/A | ND | ND |
| CBL | 0.003 / 0.008 | N/A | ND | ND |
| CBN | 0.001 / 0.004 | N/A | ND | ND |
| CBC | 0.003 / 0.010 | N/A | ND | ND |
| CBCa | 0.001 / 0.004 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 20.857 mg/g | 2.0857% |

MOISTURE TEST RESULT

| |
|------------|
| Not Tested |
|------------|

DENSITY TEST RESULT

| |
|------------|
| Not Tested |
|------------|

VISCOSITY TEST RESULT

| |
|------------|
| Not Tested |
|------------|

Unit Mass: 50 Grams per Unit / Serving Size:

| | | | |
|----------------------------------|--------------------------|------------------|------|
| $\Delta 9\text{THC}$ per Unit | 1000.0 per-package limit | ND | PASS |
| $\Delta 9\text{THC}$ per Serving | | | |
| CBD per Unit | | 1025.750 mg/unit | |
| CBD per Serving | | | |



 **Pesticide Analysis**

CATEGORY 1 PESTICIDE TEST RESULTS - 05/10/2020  **PASS**

CATEGORY 1 AND 2 PESTICIDES

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). *GC-MS utilized where indicated.

Method: QSP - (1212) Analysis of Pesticides and Mycotoxins by LC-MS or QSP - (1213) Analysis of Pesticides by GC-MS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|-------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Aldicarb | 0.03 / 0.09 | ≥ LOD | N/A | ND | PASS |
| Carbofuran | 0.01 / 0.04 | ≥ LOD | N/A | ND | PASS |
| Chlordane* | 0.03 / 0.08 | ≥ LOD | N/A | ND | PASS |
| Chlorfenapyr* | 0.03 / 0.10 | ≥ LOD | N/A | ND | PASS |
| Chlorpyrifos | 0.02 / 0.06 | ≥ LOD | N/A | Trace | PASS |
| Coumaphos | 0.02 / 0.06 | ≥ LOD | N/A | ND | PASS |
| Daminozide | 0.03 / 0.10 | ≥ LOD | N/A | ND | PASS |
| DDVP (Dichlorvos) | 0.02 / 0.07 | ≥ LOD | N/A | ND | PASS |
| Dimethoate | 0.02 / 0.07 | ≥ LOD | N/A | ND | PASS |
| Ethoprop(hos) | 0.03 / 0.08 | ≥ LOD | N/A | ND | PASS |
| Etofenprox | 0.02 / 0.05 | ≥ LOD | N/A | ND | PASS |
| Fenoxycarb | 0.02 / 0.06 | ≥ LOD | N/A | ND | PASS |
| Fipronil | 0.02 / 0.06 | ≥ LOD | N/A | ND | PASS |
| Imazalil | 0.02 / 0.06 | ≥ LOD | N/A | ND | PASS |
| Methiocarb | 0.02 / 0.06 | ≥ LOD | N/A | ND | PASS |
| Methyl parathion | 0.03 / 0.10 | ≥ LOD | N/A | ND | PASS |
| Mevinphos | 0.03 / 0.09 | ≥ LOD | N/A | ND | PASS |
| Paclobutrazol | 0.02 / 0.05 | ≥ LOD | N/A | ND | PASS |
| Propoxur | 0.02 / 0.06 | ≥ LOD | N/A | ND | PASS |
| Spiroxamine | 0.02 / 0.05 | ≥ LOD | N/A | ND | PASS |
| Thiacloprid | 0.03 / 0.07 | ≥ LOD | N/A | ND | PASS |

CATEGORY 2 PESTICIDE TEST RESULTS - 05/10/2020  **PASS**

| | | | | | |
|---------------------|-------------|-----|-----|----|------|
| Abamectin | 0.03 / 0.10 | 0.3 | N/A | ND | PASS |
| Acephate | 0.01 / 0.04 | 5 | N/A | ND | PASS |
| Acequinocyl | 0.02 / 0.05 | 4 | N/A | ND | PASS |
| Acetamiprid | 0.02 / 0.05 | 5 | N/A | ND | PASS |
| Azoxystrobin | 0.01 / 0.04 | 40 | N/A | ND | PASS |
| Bifenazate | 0.01 / 0.02 | 5 | N/A | ND | PASS |
| Bifenthrin | 0.01 / 0.02 | 0.5 | N/A | ND | PASS |
| Boscalid | 0.02 / 0.06 | 10 | N/A | ND | PASS |
| Captan | 0.2 / 0.5 | 5 | N/A | ND | PASS |
| Carbaryl | 0.01 / 0.02 | 0.5 | N/A | ND | PASS |
| Chlorantraniliprole | 0.01 / 0.03 | 40 | N/A | ND | PASS |

Continued on next page





Pesticide Analysis *Continued*

CATEGORY 2 PESTICIDE TEST RESULTS - 05/10/2020 *continued* ✔ PASS

CATEGORY 1 AND 2 PESTICIDES

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). *GC-MS utilized where indicated.

Method: QSP - (1212) Analysis of Pesticides and Mycotoxins by LC-MS or QSP - (1213) Analysis of Pesticides by GC-MS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Clofentezine | 0.02 / 0.06 | 0.5 | N/A | ND | PASS |
| Cyfluthrin | 0.1 / 0.4 | 1 | N/A | ND | PASS |
| Cypermethrin | 0.1 / 0.3 | 1 | N/A | ND | PASS |
| Diazinon | 0.01 / 0.04 | 0.2 | N/A | ND | PASS |
| Dimethomorph | 0.01 / 0.03 | 20 | N/A | ND | PASS |
| Etoazole | 0.010 / 0.028 | 1.5 | N/A | ND | PASS |
| Fenhexamid | 0.02 / 0.1 | 10 | N/A | ND | PASS |
| Fenpyroximate | 0.03 / 0.08 | 2 | N/A | ND | PASS |
| Flonicamid | 0.01 / 0.04 | 2 | N/A | ND | PASS |
| Fludioxonil | 0.03 / 0.08 | 30 | N/A | ND | PASS |
| Hexythiazox | 0.01 / 0.04 | 2 | N/A | ND | PASS |
| Imidacloprid | 0.01 / 0.04 | 3 | N/A | ND | PASS |
| Kresoxim-methyl | 0.02 / 0.07 | 1 | N/A | ND | PASS |
| Malathion | 0.02 / 0.05 | 5 | N/A | ND | PASS |
| Metalaxyl | 0.02 / 0.06 | 15 | N/A | ND | PASS |
| Methomyl | 0.03 / 0.1 | 0.1 | N/A | ND | PASS |
| Myclobutanil | 0.03 / 0.1 | 9 | N/A | ND | PASS |
| Naled | 0.03 / 0.1 | 0.5 | N/A | ND | PASS |
| Oxamyl | 0.02 / 0.06 | 0.2 | N/A | ND | PASS |
| Pentachloronitrobenzene* | 0.03 / 0.09 | 0.2 | N/A | ND | PASS |
| Permethrin | 0.03 / 0.09 | 20 | N/A | <LOQ | PASS |
| Phosmet | 0.03 / 0.10 | 0.2 | N/A | ND | PASS |
| Piperonylbutoxide | 0.003 / 0.009 | 8 | N/A | ND | PASS |
| Prallethrin | 0.03 / 0.08 | 0.4 | N/A | ND | PASS |
| Propiconazole | 0.01 / 0.03 | 20 | N/A | ND | PASS |
| Pyrethrins | 0.03 / 0.08 | 1 | N/A | ND | PASS |
| Pyridaben | 0.006 / 0.019 | 3 | N/A | ND | PASS |
| Spinetoram | 0.02 / 0.07 | 3 | N/A | ND | PASS |
| Spinosad | 0.02 / 0.06 | 3 | N/A | ND | PASS |
| Spiromesifen | 0.02 / 0.05 | 12 | N/A | ND | PASS |
| Spirotetramat | 0.01 / 0.02 | 13 | N/A | ND | PASS |
| Tebuconazole | 0.02 / 0.07 | 2 | N/A | ND | PASS |
| Thiamethoxam | 0.03 / 0.08 | 4.5 | N/A | ND | PASS |
| Trifloxystrobin | 0.01 / 0.03 | 30 | N/A | ND | PASS |





Residual Solvents Analysis

CATEGORY 1 RESIDUAL SOLVENTS TEST RESULTS - 05/10/2020 ✔ PASS

CATEGORY 1 AND 2 RESIDUAL SOLVENTS

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP - (1204) Analysis of Residual Solvents by GC-MS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| 1,2-Dichloroethane | 0.05 / 0.1 | 1 | N/A | ND | PASS |
| Benzene | 0.03 / 0.09 | 1 | N/A | ND | PASS |
| Chloroform | 0.1 / 0.2 | 1 | N/A | ND | PASS |
| Ethylene Oxide | 0.1 / 0.4 | 1 | N/A | ND | PASS |
| Methylene chloride | 0.3 / 0.9 | 1 | N/A | ND | PASS |
| Trichloroethylene | 0.1 / 0.3 | 1 | N/A | ND | PASS |

CATEGORY 2 RESIDUAL SOLVENTS TEST RESULTS - 05/10/2020 ✔ PASS

| | | | | | |
|-------------------|----------|------|-------|------|------|
| Acetone | 20 / 50 | 5000 | N/A | ND | PASS |
| Acetonitrile | 2 / 7 | 410 | N/A | ND | PASS |
| Butane | 10 / 50 | 5000 | N/A | ND | PASS |
| Ethanol | 20 / 50 | | ±61.9 | 1630 | |
| Ethyl acetate | 20 / 60 | 5000 | N/A | ND | PASS |
| Ethyl ether | 20 / 50 | 5000 | N/A | ND | PASS |
| Heptane | 20 / 60 | 5000 | N/A | ND | PASS |
| Hexane | 2 / 5 | 290 | N/A | ND | PASS |
| Isopropyl Alcohol | 10 / 40 | | ±4.2 | 120 | |
| Methanol | 50 / 200 | 3000 | N/A | ND | PASS |
| Pentane | 20 / 50 | 5000 | N/A | ND | PASS |
| Propane | 10 / 20 | 5000 | N/A | ND | PASS |
| Toluene | 7 / 21 | 890 | N/A | ND | PASS |
| Total Xylenes | 50 / 160 | 2170 | N/A | ND | PASS |



Heavy Metals Analysis

HEAVY METALS TEST RESULTS - 05/09/2020 ✔ PASS

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP - (1160) Analysis of Heavy Metals by ICP-MS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|----------|----------------|---------------------|--------------------------------|---------------|--------|
| Cadmium | 0.02 / 0.05 | 0.5 | N/A | ND | PASS |
| Lead | 0.04 / 0.1 | 0.5 | N/A | ND | PASS |
| Arsenic | 0.02 / 0.1 | 1.5 | N/A | ND | PASS |
| Mercury | 0.002 / 0.01 | 3 | N/A | ND | PASS |

