Method Testing Laboratories
2720 Broadway Center Blvd.
Brandon, FL 33510
Lic #CMTL-2023-00012

# Certificate of Analysis

**Order #** 2302HTB0013
Order Date: 2/20/2023
Sample # 2302HTB0013-012
Sampling Date:

Receipt Date: 2/27/2023 14:02
Completion Date: 03/20/2023 16:05
Initial Gross Weight: 41.92 g
Sampling Method: LAB-025

Product Name: PAIN SALVE
Description:
Matrix: Topical
Total Batch Weight or Volume:

**Client:** Planta Rx
Address: 1205 71st Street
Address: Miami Beach, FL 33141

Batch #: PCCBD180022
Extracted From:
Lot ID: PCCBD180022
Seed to Sale #:

Batch Date:
Cultivars:
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

## SUMMARY

| | | | | | | |
|---|---|---|---|---|---|---|
| TESTED Potency | TESTED Terpenes | PASSED Pesticides | PASSED Heavy Metals | NOT TESTED Total Contaminant Load | PASSED Residual Solvents | NOT TESTED Total Aerobic Bacteria |
| PASSED Mycotoxins | PASSED Microbials | PASSED Total Yeast and Mold | PASSED Filth and Foreign Material | NOT TESTED Water Activity | NOT TESTED Moisture | NOT TESTED Homogeneity |

## POTENCY — TESTED

| Analyte | LOD (mg/g) | Result (mg/g) | Result % | mg/unit |
|---|---|---|---|---|
| CBD | 0.018 | 33.7 | 3.37 | 1414.0 |
| CBC | 0.045 | 0.732 | 0.073 | 30.692 |
| d9-THC | 0.03 | 0.427 | 0.043 | 17.883 |
| CBDV | 0.015 | 0.384 | 0.038 | 16.085 |
| CBG | 0.032 | 0.339 | 0.034 | 14.211 |
| CBDA | 0.018 | ND | ND | N/A |
| CBGA | 0.025 | ND | ND | N/A |
| CBN | 0.014 | ND | ND | N/A |
| d8-THC | 0.013 | ND | ND | N/A |
| THCA | 0.022 | ND | ND | N/A |
| THCV | 0.021 | ND | ND | N/A |

| | | | |
|---|---|---|---|
| Sample Prepared By: | Date/Time: | Sample Analyzed By: | Date/Time: |
| 040 | 3/1/2023 11:49 | 040 | 3/1/2023 12:08 |
| Batch Reviewed By: | Date/Time: | Analysis # | |
| 028 | 3/1/2023 14:43 | Potency 1 | |
| Specimen wt (g): | | Dilution: | |
| 0.5242 | | 100 | |
| Analysis Method: | | Instrument Used: | |
| TM-001 Potency | | HPLC | |

## POTENCY SUMMARY

| | | | |
|---|---|---|---|
| Total THC 0.224% | Total THC/Unit 17.88 mg | THC Label Claim N/A N/A | Total Cannabinoids 3.56% |
| Total CBD 17.7% | Total CBD/Unit 1414.0 mg | CBD Label Claim N/A N/A | Total Cannabinoids/Unit 1492.9 mg |

## TERPENES SUMMARY

| Analyte | Result (ug/g) | Result % |
|---|---|---|
| Menthol | 37280 | 3.730 |
| (+/-)-Borneol | ND | ND |
| (+/-)-Fenchone | ND | ND |
| [+/-]-Camphor | ND | ND |
| alpha-Bisabolol | ND | ND |
| alpha-Cedrene | ND | ND |
| alpha-Humulene | ND | ND |
| alpha-Phellandrene | ND | ND |
| alpha-Pinene | ND | ND |
| alpha-Terpinene | ND | ND |

Total Terpenes: 3.73%

Showing top 10 Terpenes, full analysis on the following page.

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation; (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).



PJLA Testing
Accreditation #111022

**Anthony Repay** — **Lab Director-Micro** — **03/20/2023 16:05**

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Total Batch Weight or Volume:

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Extracted From:
Lot ID: PCCBD180022
Seed to Sale #:

Batch Date:
Cultivars:
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

## TERPENES — TESTED

| Analyte | LOD (ug/g) | Result (ug/g) | Result % | Analyte | LOD (ug/g) | Result (ug/g) | Result % |
|---|---|---|---|---|---|---|---|
| alpha-Pinene | 8 | ND | ND | Camphene | 10 | ND | ND |
| Isopulegol | 59 | ND | ND | delta-3-Carene | 0.158 | ND | ND |
| alpha-Terpinene | 0.935 | ND | ND | Eucalyptol | 56 | ND | ND |
| gamma-Terpinene | 0.062 | ND | ND | alpha-terpinolene | 17 | ND | ND |
| Linalool | 18 | ND | ND | Geraniol | 13 | ND | ND |
| alpha-Humulene | 21 | ND | ND | Z-Nerolidol | 22 | ND | ND |
| Menthol | 44 | 37280 | 3.730 | E-Nerolidol | 19 | ND | ND |
| Guaiol | 24 | ND | ND | E-Caryophyllene | 31 | ND | ND |
| Nerol | 25 | ND | ND | alpha-Bisabolol | 20 | ND | ND |
| Valencene | 27 | ND | ND | D-Limonene | 15 | ND | ND |
| alpha-Cedrene | 20 | ND | ND | Sabinene | 29 | ND | ND |
| Endo-Fenchyl Alcohol | 40 | ND | ND | Terpineol | 31 | ND | ND |
| Pulegone | 11 | ND | ND | [+/-]-Camphor | 62 | ND | ND |
| Isoborneol | 74 | ND | ND | (+/-)-Fenchone | 21 | ND | ND |
| Ocimenes | 31 | ND | ND | Cedrol | 7 | ND | ND |
| Farnesene | 130 | ND | ND | Geranyl acetate | 19 | ND | ND |
| alpha-Phellandrene | 0.189 | ND | ND | beta-Pinene | 26 | ND | ND |
| beta-Myrcene | 50 | ND | ND | Caryophyllene Oxide | 191 | ND | ND |
| (+/-)-Borneol | 15 | ND | ND | Sabinene Hydrate | 0.209 | ND | ND |

**Total Terpenes:** 3.73 %

| | | | |
|---|---|---|---|
| Sample Prepared By: | Date/Time: | Sample Analyzed By: | Date/Time: |
| 039 | 3/1/2023 12:22 | 039 | 3/1/2023 12:44 |
| Batch Reviewed By: | Date/Time: | Analysis # | |
| 028 | 3/2/2023 14:10 | 2023_02_28 Terpenes 2.batch.bin | |
| Specimen wt: | | Dilution: | |
| 0.5327 | | 50 | |
| Analysis Method: | | Instrument Used: | |
| TM-004 Terpenes | | LI-GCMS | |

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Seed to Sale #:

Batch Date:
Cultivars:
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

## PESTICIDES — PASSED

| Analyte | LOD (ug/kg) | Action Level (ug/kg) | Result (ug/kg) | Status |
|---|---|---|---|---|
| Abamectin | 14.3 | 300 | ND | Pass |
| Acequinocyl | 14.4 | 4000 | ND | Pass |
| Aldicarb | 11.4 | 100 | ND | Pass |
| Bifenazate | 14.3 | 5000 | ND | Pass |
| Boscalid | 13.1 | 10000 | ND | Pass |
| Carbaryl | 14.2 | 500 | ND | Pass |
| Chlorantraniliprole | 26.4 | 40000 | ND | Pass |
| Chlorfenapyr | 6.8 | 100 | ND | Pass |
| Chlorpyrifos | 15.6 | 100 | ND | Pass |
| Coumaphos | 8.5 | 100 | ND | Pass |
| Cypermethrin | 11 | 1000 | ND | Pass |
| Diazinon | 11.2 | 200 | ND | Pass |
| Dimethoate | 15.1 | 100 | ND | Pass |
| Ethoprophos | 13.7 | 100 | ND | Pass |
| Etoxazole | 11.2 | 1500 | ND | Pass |
| Fenoxycarb | 14.4 | 100 | ND | Pass |
| Fipronil | 12.3 | 100 | ND | Pass |
| Fludioxonil | 12.5 | 30000 | ND | Pass |
| Imazalil | 14.4 | 100 | ND | Pass |
| Kresoxim-methyl | 10 | 1000 | ND | Pass |
| Metalaxyl | 12.2 | 15000 | ND | Pass |
| Methomyl | 9.6 | 100 | ND | Pass |
| Mevinphos | 11.4 | 100 | ND | Pass |
| Naled | 15.1 | 500 | ND | Pass |
| Paclobutrazol | 12.4 | 100 | ND | Pass |
| Permethrin | 9.7 | 20000 | ND | Pass |
| Piperonylbutoxide | 8 | 8000 | ND | Pass |
| Propiconazole | 14.6 | 20000 | ND | Pass |
| Pyrethrins | 25.0 | 1000 | ND | Pass |
| Spinetoram | 12.2 | 3000 | ND | Pass |
| Spiromesifen | 14.9 | 12000 | ND | Pass |
| Spiroxamine | 14.7 | 100 | ND | Pass |
| Thiacloprid | 8.2 | 100 | ND | Pass |
| Trifloxystrobin | 7 | 30000 | ND | Pass |

| Analyte | LOD (ug/kg) | Action Level (ug/kg) | Result (ug/kg) | Status |
|---|---|---|---|---|
| Acephate | 8.4 | 5000 | ND | Pass |
| Acetamiprid | 9.3 | 5000 | ND | Pass |
| Azoxystrobin | 14 | 40000 | ND | Pass |
| Bifenthrin | 11.1 | 500 | ND | Pass |
| Captan | 13.3 | 5000 | ND | Pass |
| Carbofuran | 8.4 | 100 | ND | Pass |
| Chlordane | 10 | 100 | ND | Pass |
| Chlormequat chloride | | | | |
| Clofentezine | 13.6 | 500 | ND | Pass |
| Cyfluthrin | 8.7 | 1000 | ND | Pass |
| Daminozide | 13.5 | 100 | ND | Pass |
| Dichlorvos | 14.4 | 100 | ND | Pass |
| Dimethomorph | 16.7 | 20000 | ND | Pass |
| Etofenprox | 9.4 | 100 | ND | Pass |
| Fenhexamid | 13.7 | 10000 | ND | Pass |
| Fenpyroximate | 12.9 | 2000 | ND | Pass |
| Flonicamid | 12.8 | 2000 | ND | Pass |
| Hexythiazox | 12.7 | 2000 | ND | Pass |
| Imidacloprid | 28.6 | 3000 | ND | Pass |
| Malathion | 19.2 | 5000 | ND | Pass |
| Methiocarb | 14.6 | 100 | ND | Pass |
| Methyl parathion | 9.1 | 100 | ND | Pass |
| Myclobutanil | 11.4 | 9000 | ND | Pass |
| Oxamyl | 7.6 | 200 | ND | Pass |
| Pentachloronitrobenzene | 8.4 | 200 | ND | Pass |
| Phosmet | 12.6 | 200 | ND | Pass |
| Prallethrin | 13.2 | 400 | ND | Pass |
| Propoxur | 8.7 | 100 | ND | Pass |
| Pyridaben | 12.4 | 3000 | ND | Pass |
| Spinosad A and D | 11.8 | 3000 | ND | Pass |
| Spirotetramat | 13.5 | 13000 | ND | Pass |
| Tebuconazole | 13 | 2000 | ND | Pass |
| Thiamethoxam | 13.4 | 4500 | ND | Pass |

Sample Prepared By: 025 Date/Time: 3/1/2023 12:21 Specimen wt (g): 1.0277 Dilution: 125 Analysis # 2023_02_28 GC2 CAL PEST1.batch.bin
Sample Analyzed By: 025 Date/Time: 3/1/2023 13:34 Analysis Method: TM-003 Pesticides
Batch Reviewed By: 028 Date/Time: 3/2/2023 16:33 Instrument Used: GC/MS/MS

Sample Prepared By: 025 Date/Time: 3/1/2023 12:21 Specimen wt (g): 1.0277 Dilution: 125 Analysis # 2023_03_01 LC 2 Cal Pest1.batch.bin
Sample Analyzed By: 025 Date/Time: 3/1/2023 13:34 Analysis Method: TM-002 Pesticides and Mycotoxins
Batch Reviewed By: 028 Date/Time: 3/2/2023 16:33 Instrument Used: LC/MS/MS

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Sampling Date:

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Sampling Method: LAB-025

Product Name: PAIN SALVE
Description:
Matrix: Topical
Total Batch Weight or Volume:

**Client:** Planta Rx
Address: 1205 71st Street
Address: Miami Beach, FL 33141

Batch #: PCCBD180022
Extracted From:
Lot ID: PCCBD180022
Seed to Sale #:

Batch Date:
Cultivars:
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

## HEAVY METALS — PASSED

| Analyte | LOD (ug/kg) | Action Level (ug/kg) | Result (ug/kg) | Status |
|---|---|---|---|---|
| Lead | 20.7 | 500 | ND | Pass |
| Arsenic | 26.2 | 1500 | ND | Pass |
| Cadmium | 18.9 | 500 | ND | Pass |
| Mercury | 28.4 | 3000 | ND | Pass |

| | | | |
|---|---|---|---|
| Sample Prepared By: | Date/Time: | Sample Analyzed By: | Date/Time: |
| 037 | 2/28/2023 17:19 | 028 | 3/1/2023 9:38 |
| Batch Reviewed By: | Date/Time: | Analysis # | |
| 006 | 3/1/2023 11:39 | ICPMS_2.b | |
| Specimen wt (g): | | Dilution: | |
| 0.5068 | | 250 | |
| Analysis Method: | | Instrument Used: | |
| TM-006 Heavy Metals | | ICP-MS | |

## TOTAL CONTAMINANT LOAD

| Analyte | Action Level (mg/kg) | Result (mg/kg) | Status |
|---|---|---|---|
| Heavy Metals/Pesticides | | | N/A |

## RESIDUAL SOLVENTS — PASSED

| Analyte | LOD (mg/kg) | Action Level (mg/kg) | Result (mg/kg) | Status |
|---|---|---|---|---|
| Acetone | 15.2 | 5000 | ND | Pass |
| Acetonitrile | 10.3 | 410 | ND | Pass |
| Benzene | 0.117 | 1 | ND | Pass |
| Butane | 22.5 | 5000 | ND | Pass |
| Chloroform | 0.109 | 1 | ND | Pass |
| 1,2-Dichloroethane | 0.186 | | ND | N/A |
| 1,1-Dichloroethene | | | | N/A |
| Ethanol | | | | N/A |
| Ethyl acetate | 15.3 | 5000 | ND | Pass |
| Ethyl ether | 18.9 | 5000 | ND | Pass |
| Ethylene oxide | 0.225 | 1 | ND | Pass |
| Heptane | 29.4 | 5000 | ND | Pass |
| Hexane | 27.1 | 290 | ND | Pass |
| Isopropyl alcohol | 15.4 | | ND | N/A |
| Methanol | 22.9 | 3000 | ND | Pass |
| Methylene chloride | 0.088 | 1 | ND | Pass |
| Pentane | 27.6 | 5000 | ND | Pass |
| Propane | 17.6 | 5000 | ND | Pass |
| Trichloroethylene | 0.098 | 1 | ND | Pass |
| Toluene | 22.6 | 890 | ND | Pass |
| Total xylenes | 20.0 | 2170 | ND | Pass |

| | | | |
|---|---|---|---|
| Sample Prepared By: | Date/Time: | Sample Analyzed By: | Date/Time: |
| 032 | 3/1/2023 12:52 | 032 | 3/1/2023 12:56 |
| Batch Reviewed By: | Date/Time: | Analysis # | |
| 028 | 3/1/2023 15:41 | 2023_02_28 RSA.batch.bin | |
| Specimen wt (g): | | Dilution: | |
| 0.2524 | | 5 | |
| Analysis Method: | | Instrument Used: | |
| TM-005 Residual Solvents | | HS-GCMS | |

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Seed to Sale #:

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Cultivars:
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

## MYCOTOXINS PASSED

| Analyte | LOD (ug/kg) | Action Level (ug/kg) | Result (ug/kg) | Status |
|---|---|---|---|---|
| Aflatoxin B1 | | | | N/A |
| Aflatoxin B2 | | | | N/A |
| Aflatoxin G1 | | | | N/A |
| Aflatoxin G2 | | | | N/A |
| Ochratoxin A | 2.9 | 20 | ND | Pass |
| Total Aflatoxin | | 20 | 0.000 | Pass |

| Sample Prepared By: | Date/Time: | Sample Analyzed By: | Date/Time: |
|---|---|---|---|
| 025 | 3/1/2023 12:27 | 025 | 3/2/2023 14:00 |
| Batch Reviewed By: | Date/Time: | Analysis # | |
| 028 | 3/2/2023 14:40 | 2023_03_01 LC 2 Cal Pest1.batch.bin | |
| Specimen wt (g): | | Dilution: | |
| 1.0277 | | 125 | |
| Analysis Method: | | Instrument Used: | |
| TM-002 Pesticides and Mycotoxins | | LC/MS/MS | |

## TOTAL YEAST AND MOLD PASSED

| Analyte | Action Level (cfu/g) | Result (cfu/g) | Status |
|---|---|---|---|
| Total Combined Yeasts & Molds | 100000 | 0.0 | Pass |

| Sample Prepared By: | Date/Time: | Sample Analyzed By: | Date/Time: |
|---|---|---|---|
| 022 | 3/2/2023 9:21 | 022 | 3/2/2023 9:22 |
| Batch Reviewed By: | Date/Time: | Analysis # | |
| 028 | 3/2/2023 17:02 | 1 | |
| Specimen wt (g): | | Dilution: | |
| 1.05 | | 100 | |
| Analysis Method: | | Instrument Used: | |
| TM-012 Yeast and Molds | | Incubator | |

## MICROBIAL PASSED

| Analyte | Action Level (present in 1 g) | Result (present in 1 g) | Status |
|---|---|---|---|
| Salmonella | Present | Absent | Pass |
| Shiga Toxin E. coli | Present | Absent | Pass |
| Total Aspergillus* | | | N/A |

| Sample Prepared By: | Date/Time: | Sample Analyzed By: | Date/Time: |
|---|---|---|---|
| 022 | 3/1/2023 13:15 | 022 | 3/1/2023 14:30 |
| Batch Reviewed By: | Date/Time: | Analysis # | |
| 028 | 3/2/2023 16:56 | 1 | |
| Specimen wt (g): | | Dilution: | |
| 1.010 | | 10.0 | |
| Analysis Method: | | Instrument Used: | |
| TM-011 Microbiology | | qPCR | |

* Total Aspergillus represents the sum of the results of Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus.

## FILTH & FOREIGN MATERIAL PASSED

| Analyte | Action Level | Result | Status |
|---|---|---|---|
| Foreign Material (per 3g) | 1 | 0.000 | Pass |
| Filth (%) | 25 | 0.000 | Pass |

| Sample Analyzed By: | Date/Time: | |
|---|---|---|
| 031 | 2/28/2023 16:02 | |
| Batch Reviewed By: | Date/Time: | Analysis # |
| 006 | 2/28/2023 16:02 | FF |
| Specimen wt (g): | | |
| 15.0 | | |
| Analysis Method: | | Instrument Used: |
| TM-010 Filth and Foreign Material | | Electronic Balance |

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Batch Date:
Cultivars:
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

## WATER ACTIVITY NOT TESTED

| Analyte | Action Level (aw) | Result (aw) | Status |
|---|---|---|---|
| Water Activity | | | N/A |

Sample Analyzed By: Date/Time :
Batch Reviewed By: Date/Time: Analysis #
Specimen wt (g):
Analysis Method: Instrument Used:

## MOISTURE NOT TESTED

| Analyte | Action Level (%) | Result (%) | Status |
|---|---|---|---|
| Moisture Content | | | N/A |

Sample Analyzed By: Date/Time:
Batch Reviewed By: Date/Time: Analysis #
Specimen wt (g):
Analysis Method: Instrument Used:

## TOTAL AEROBIC BACTERIA NOT TESTED

| Analyte | Action Level (cfu/g) | Result (cfu/g) | Status |
|---|---|---|---|
| Total Aerobic Bacteria | | | N/A |

Sample Prepared By: Date/Time: Sample Analyzed By: Date/Time:
Batch Reviewed By: Date/Time: Analysis #
Specimen wt (g): Dilution:
Analysis Method: Instrument Used:

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation; (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).



PJLA Testing
Accreditation #111022

**Anthony Repay** **Lab Director-Micro** **03/20/2023 16:05**