



New York Hemp Oil Labs LLC

185 Main ST
Cortland, NY, 13045
Teejay@newyorkhempoil.com
607-821-1182
License #: OCM-AUCP-22-000003

Certificate of Analysis

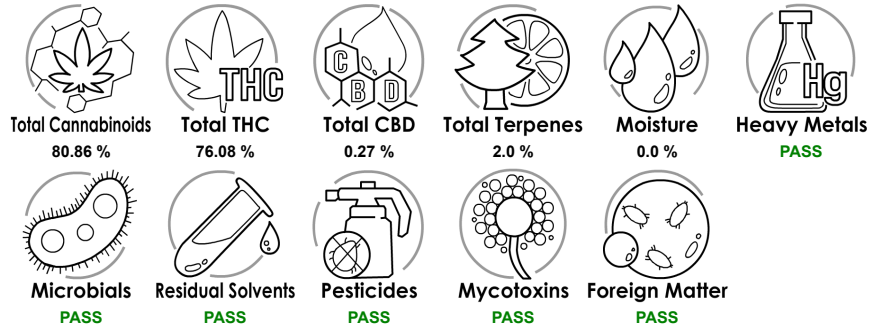
Final

Date Released: 2/23/2023 1:01:31PM

Report #: 421

Motorbreath

Sample #: 120, Weight: 15.00g, Unit Count:
Order #: K230203-0007
Category/Type: Concentrates & Extract, Vape Cartridge
Date Collected: 2/3/2023 2:04:57PM
Date Received: 2/3/2023 2:22:36PM
Date Analyzed: 2/3/2023 4:38:46PM
Regulator Sample ID: 2301KSTNY0041.0207
Regulator Source Package ID: VA00021
Regulator Batch ID: 0



Potency Analysis by HPLC

Total Cannabinoids: **80.86 %**
Total THC: **76.08 %**
Total CBD: **0.27 %**

Date Completed: 02/03/2023 4:38PM

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|----------|------------|---------|-------|---------|------------------------|
| d9-THC | 1972-08-3 | 0.001 | 69.27 | 692.713 | |
| THCa | 23978-85-0 | 0.001 | 7.77 | 77.723 | |
| CBG | 25654-31-3 | 0.001 | 1.75 | 17.465 | |
| CBGa | 25555-57-1 | 0.001 | 0.75 | 7.525 | |
| THCV | 31262-37-0 | 0.001 | 0.49 | 4.911 | |
| CBN | 521-35-7 | 0.001 | 0.35 | 3.545 | |
| CBDa | 1244-58-2 | 0.001 | 0.15 | 1.505 | |
| CBD | 13956-29-1 | 0.001 | 0.14 | 1.386 | |
| d8-THC | 5957-75-5 | 0.001 | 0.11 | 1.129 | |
| d10-THC | 95543-62-7 | 0.001 | 0.08 | 0.772 | |
| CBDV | 24274-48-4 | 0.001 | ND | ND | |
| CBC | 20675-51-8 | 0.001 | ND | ND | |

Test Comment: Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

Total THC = d9-THC + d8-THC + d10-THC + (0.877*THCa)

Total CBD = CBD + (0.877*CBDa)

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Dr. Kelly Greenland, Lab Director
2/23/2023 1:03:55PM





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| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|----------------------|------------|---------|----|------------------------|
| Camphene | 79-92-5 | 0.1 | ND | |
| cis-Nerolidol | 142-50-7 | 0.1 | ND | |
| cis-Ocimene | 3338-55-4 | 0.1 | ND | |
| Endo-Fenchyl Alcohol | 14575-74-7 | 0.1 | ND | |
| Eucalyptol | 470-82-6 | 0.1 | ND | |
| Fenchone | 1195-79-5 | 0.1 | ND | |
| gamma-Terpinene | 99-85-4 | 0.1 | ND | |
| gamma-Terpineol | 586-81-2 | 0.1 | ND | |
| Geraniol | 106-24-1 | 0.1 | ND | |
| Geranyl Acetate | 105-87-3 | 0.1 | ND | |
| Guaiol | 489-86-1 | 0.1 | ND | |
| Hexahydro Thymol | 15356-70-4 | 0.1 | ND | |
| Nerol | 106-25-2 | 0.1 | ND | |
| p-Mentha-1,5-diene | | 0.1 | ND | |
| Pulegone | 89-82-7 | 0.1 | ND | |
| Sabinene | 3387-41-5 | 0.1 | ND | |
| Sabinene Hydrate | 546-79-2 | 0.1 | ND | |
| trans-Nerolidol | 40716-66-3 | 0.1 | ND | |
| trans-Ocimene | 3779-61-1 | 0.1 | ND | |

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

Foreign Matter by microscopy

Pass

Date Completed: 02/03/2023 2:48 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|-------------------|---------|------------|------------|--------|
| % Foreign Matter | 0.001 | 2.0 | ND | Pass |
| Mammalian Excreta | 0.001 | 0.03 | ND | Pass |
| Stems | 0.001 | 5.0 | ND | Pass |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

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Moisture by Analyzer

Pass

Date Completed: 02/03/2023 4:36 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | | | 0.0 | Pass |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

Pesticides by LCMSMS

Pass

Date Completed: 02/03/2023 2:48 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------------|------------|---------------|---------------|--------|
| Abamectin | 0.01 | 0.5 | ND | Pass |
| Acephate | 0.01 | 0.4 | ND | Pass |
| Acequinocyl | 0.01 | 2 | ND | Pass |
| Acetamiprid | 0.01 | 0.2 | ND | Pass |
| Aldicarb | 0.01 | 0.4 | ND | Pass |
| Azadirachtin | 0.01 | 1 | ND | Pass |
| Azoxystrobin | 0.01 | 0.2 | ND | Pass |
| Bifenazate | 0.01 | 0.2 | ND | Pass |
| Bifenthrin | 0.01 | 0.2 | ND | Pass |
| Boscalid | 0.01 | 0.4 | ND | Pass |
| Carbaryl | 0.01 | 0.2 | ND | Pass |
| Carbofuran | 0.01 | 0.2 | ND | Pass |
| Chlorantraniliprole | 0.01 | 0.2 | ND | Pass |
| Chloromequat Chloride | 0.01 | 1 | ND | Pass |
| Chlorpyrifos | 0.01 | 0.2 | ND | Pass |
| Clofentezine | 0.01 | 0.2 | ND | Pass |
| Coumaphos | 0.01 | 1 | ND | Pass |
| Cyfluthrin | 0.01 | 1 | ND | Pass |
| Cypermethrin | 0.01 | 1 | ND | Pass |
| Daminozide | 0.01 | 1 | ND | Pass |
| Diazinon | 0.01 | 0.2 | ND | Pass |

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Pass

Date Completed: 02/03/2023 2:48 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------------|------------|---------------|---------------|--------|
| Dichlorvos | 0.01 | 1 | ND | Pass |
| Dimethoate | 0.01 | 0.2 | ND | Pass |
| Dimethomorph | 0.01 | 1 | ND | Pass |
| Ethoprophos | 0.01 | 0.2 | ND | Pass |
| Etofenprox | 0.01 | 0.4 | ND | Pass |
| Etoxazole | 0.01 | 0.2 | ND | Pass |
| Fenhexamid | 0.01 | 1 | ND | Pass |
| Fenoxycarb | 0.01 | 0.2 | ND | Pass |
| Fenpyroximate | 0.01 | 0.4 | ND | Pass |
| Fipronil | 0.01 | 0.4 | ND | Pass |
| Flonicamid | 0.01 | 1 | ND | Pass |
| Fludioxonil | 0.01 | 0.4 | ND | Pass |
| Hexythiazox | 0.01 | 1 | ND | Pass |
| Imazalil | 0.01 | 0.2 | ND | Pass |
| Imidacloprid | 0.01 | 0.4 | ND | Pass |
| Indolebutyric Acid | 0.01 | 1 | ND | Pass |
| Kresoxim-methyl | 0.01 | 0.4 | ND | Pass |
| Malathion | 0.01 | 0.2 | ND | Pass |
| Metaxalaxyl | 0.01 | 0.2 | ND | Pass |
| Methiocarb | 0.01 | 0.2 | ND | Pass |
| Mevinphos | 0.01 | 1 | ND | Pass |
| Myclobutanil | 0.01 | 0.2 | ND | Pass |
| Naled | 0.01 | 0.5 | ND | Pass |
| Oxamyl | 0.01 | 1 | ND | Pass |
| Paclobutrazol | 0.01 | 0.4 | ND | Pass |
| Permethrin | 0.01 | 0.2 | ND | Pass |

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| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------------|------------|---------------|---------------|--------|
| Phosmet | 0.01 | 0.2 | ND | Pass |
| Piperonyl Butoxide | 0.01 | 2 | ND | Pass |
| Prallethrin | 0.01 | 0.2 | ND | Pass |
| Propiconazole | 0.01 | 0.4 | ND | Pass |
| Propoxur | 0.01 | 0.2 | ND | Pass |
| Pyrethrins Total | 0.01 | 1 | ND | Pass |
| Pyridaben | 0.01 | 0.2 | ND | Pass |
| Spinetoram | 0.01 | 1 | ND | Pass |
| Spinosad Total | 0.01 | .2 | ND | Pass |
| Spiromesifen | 0.01 | 0.2 | ND | Pass |
| Spirotetramat | 0.01 | 0.2 | ND | Pass |
| Spiroxamine | 0.01 | 0.2 | ND | Pass |
| Tebuconazole | 0.01 | 0.4 | ND | Pass |
| Thiacloprid | 0.01 | 0.2 | ND | Pass |
| Thiamethoxam | 0.01 | 0.2 | ND | Pass |
| Trifloxystrobin | 0.01 | 0.2 | ND | Pass |

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

Residual Solvents

Pass

Date Completed: 02/03/2023 3:21 pm

| Compound | LOQ (ppm) | Limits (ppm) | Result (ppm) | Status |
|-----------------|-----------|--------------|--------------|--------|
| 1,4-Dioxane | 50 | 380 | ND | Pass |
| 2-Butanol | 50 | 5000 | ND | Pass |
| 2-Ethoxyethanol | 50 | 160 | ND | Pass |
| 3-Methylpentane | 10 | | ND | Pass |
| Acetone | 50 | 5000 | ND | Pass |
| Acetonitrile | 50 | 410 | ND | Pass |

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Residual Solvents

Pass

Date Completed: 02/03/2023 3:21 pm

| Compound | LOQ (ppm) | Limits (ppm) | Result (ppm) | Status |
|--------------------|-----------|--------------|--------------|--------|
| Benzene | 0.5 | 2 | ND | Pass |
| Butanes ppm | 25 | 5000 | 102 | Pass |
| Cumene | 50 | 70 | ND | Pass |
| Cyclohexane | 50 | 3880 | ND | Pass |
| Ethanol | 50 | 5000 | ND | Pass |
| Ethyl acetate | 50 | 5000 | ND | Pass |
| Ethyl ether | 50 | 5000 | ND | Pass |
| Ethylbenzene | 12.5 | | ND | Pass |
| Ethylene glycol | 50 | 620 | ND | Pass |
| Ethylene oxide | 50 | 50 | ND | Pass |
| Heptane | | | 0 | Pass |
| Hexane | 10 | | ND | Pass |
| Isopropanol | 50 | 5000 | 221 | Pass |
| Isopropyl acetate | 50 | 5000 | ND | Pass |
| Methanol | 50 | 3000 | ND | Pass |
| Methylene chloride | 50 | 600 | ND | Pass |
| Pentanes Total | 16.7 | 5000 | ND | Pass |
| Propane | | | 0 | Pass |
| Tetrahydrofuran | 50 | 720 | ND | Pass |
| Toluene | 50 | 890 | ND | Pass |
| Total xylenes | 25 | 2170 | ND | Pass |

Comment: Residual Solvents tested by GCMS using P-NY170. Unless otherwise stated, all QC passed.

Mycotoxins

Pass

Date Completed: 02/03/2023 2:49 pm

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------|------------|---------------|---------------|--------|
| Aflatoxin B1 | 0.005 | 0.020 | ND | Pass |

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| Mycotoxins | | Pass | | Date Completed: 02/03/2023 2:49 pm | |
|-----------------|------------|---------------|---------------|------------------------------------|--|
| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status | |
| Aflatoxin B2 | 0.005 | 0.020 | ND | Pass | |
| Aflatoxin G1 | 0.005 | 0.020 | ND | Pass | |
| Aflatoxin G2 | 0.005 | 0.020 | ND | Pass | |
| Ochratoxin A | 0.005 | 0.020 | ND | Pass | |
| Total Aflatoxin | 0.005 | 0.020 | ND | Pass | |

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

| Metals | | Pass | | Date Completed: 02/03/2023 3:21 pm | |
|----------|------------|---------------|---------------|------------------------------------|--|
| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status | |
| Antimony | 0.001 | | ND | Pass | |
| Arsenic | 0.001 | | ND | Pass | |
| Cadmium | 0.001 | | ND | Pass | |
| Chromium | 0.001 | | ND | Pass | |
| Copper | 0.001 | | ND | Pass | |
| Lead | 0.001 | | ND | Pass | |
| Mercury | 0.001 | | ND | Pass | |
| Nickel | 0.001 | | ND | Pass | |

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

| Microbials Count/Qualitative | | Pass | | Date Completed: 02/03/2023 3:21 pm | |
|-----------------------------------|-------------|----------------|----------------|------------------------------------|--|
| Compound | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status | |
| Aspergillus flavus Qualitative | 0 | 0 | Not Detected | Pass | |
| Aspergillus fumigatus Qualitative | 0 | 0 | Not Detected | Pass | |
| Aspergillus niger Qualitative | 0 | 0 | Not Detected | Pass | |
| Aspergillus terreus Qualitative | 0 | 0 | Not Detected | Pass | |
| Salmonella Qualitative | 0 | 0 | Not Detected | Pass | |

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Microbials Count/Qualitative

Pass

Date Completed: 02/03/2023 3:21 pm

| Compound | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|---|-------------|----------------|----------------|--------|
| Shiga Toxin-Producing E. coli Qualitative | 0 | 0 | Not Detected | Pass |
| Total Aerobic Bacteria | 10 | | ND | Pass |
| Total Yeast & Mold | 10 | | ND | Pass |

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed. Due to COA validation limitations: "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence".

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