

Certificate of Analysis

Order #: SIM191211-200016 Order Date: 2019-12-11 Collection Date: 2019-12-13 Report Date: 2019-12-23

Batch #: 549436
Sample #: AAAA371
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Hemp
Description: Gelato 500mg Vape

Initial Gross Weight: 13865mg
Method: SOP-3



| | | |
|-----------------------------|------------------------------------|-------------------------------|
| Potency Tested | Residual Solvents Passed | Heavy Metals Passed |
| Mycotoxins Passed | Pathogenic Passed | Terpenes Tested |
| Pesticides Passed | | |



The photos on this report are of a sample collected by the lab and may vary from the final packaging.

| | | |
|----------------------------------|---|---|
| CBD Total 46.770% | THC Total 0.117% | CBG Total 0.022% |
| CBN Total Not Detected | Other Cannabinoids Total 0.110% | Total Detected Cannabinoids 47.020% |

Potency - 11 (Tested)

| Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) |
|------------------|---------------|-------|---------|-------------|---------------|--------|---------|------------------|---------------|--------|---------|
| CBC | | <LOQ | 0.001 | CBD | 467.700 | 46.770 | 0.001 | CBDA | | <LOQ | 0.001 |
| CBDV | 1.103 | 0.110 | 0.001 | CBG | 0.224 | 0.022 | 0.001 | CBGA | | <LOQ | 0.001 |
| CBN | | <LOQ | 0.001 | Delta-8-THC | | <LOQ | 0.001 | Delta-9-THC | 1.170 | 0.117 | 0.001 |
| THCA-A | | <LOQ | 0.001 | THCV | | <LOQ | 0.001 | Total CBD | 467.700 | 46.770 | 0.001 |
| Total THC | 1.170 | 0.117 | 0.001 | | | | | | | | |

*Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THC + THCV + THCA-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THC + THCV + THCA-A (mg/g) = Milligram per Gram, LOQ = Limit of Quantitation

Xueli Gao
Ph.D., DABT

Lab Toxicologist

Aixia Sun
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Principal Scientist

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Residual Solvents - FL (Passed)

(GC/GCMS)

| Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) |
|---------------------|--------------------|--------------|-----------|---------------------|--------------------|--------------|-----------|--------------------|--------------------|--------------|-----------|
| 1,1-Dichloroethen-e | 8 | <LOQ | 0.132 | 1,2-dichloroethan-e | 5 | <LOQ | 0.032 | Acetone | 5000 | <LOQ | 12 |
| Benzene | 2 | <LOQ | 0.016 | Butanes | 2000 | <LOQ | 13.32 | Acetonitrile | 410 | <LOQ | 0.96 |
| Ethanol | 5000 | <LOQ | 16 | Ethyl Acetate | 5000 | <LOQ | 6.4 | Chloroform | 60 | <LOQ | 0.032 |
| Ethylene Oxide | 5 | <LOQ | 0.32 | Heptane | 5000 | <LOQ | 8 | Ethyl Ether | 5000 | <LOQ | 8 |
| Isopropyl alcohol | 500 | <LOQ | 8 | Methanol | 3000 | <LOQ | 4 | Hexane | 290 | <LOQ | 0.8 |
| Pentane | 5000 | <LOQ | 12 | Propane | 2100 | <LOQ | 26.668 | Methylene chloride | 600 | <LOQ | 2 |
| Total Xylenes | 2170 | <LOQ | 7.2 | Trichloroethene | 80 | <LOQ | 0.4 | Toluene | 890 | <LOQ | 2.4 |

(ppm) = Parts per Million, (ppm) = (µg/g), , LOQ = Limit of Quantitation

Heavy Metals (Passed)

(ICP-MS)

| Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|--------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|-----------|--------------------|--------------|-----------|
| Arsenic (As) | 1500 | <LOQ | 100 | Cadmium (Cd) | 500 | <LOQ | 100 | Lead (Pb) | 500 | <LOQ | 100 |
| Mercury (Hg) | 3000 | <LOQ | 100 | | | | | | | | |

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

Mycotoxins (Passed)

(LCMS/MS)

| Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|--------------|--------------------|--------------|-----------|-----------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|
| Aflatoxin B1 | | <LOQ | 6 | Aflatoxin B2 | | <LOQ | 6 | Aflatoxin G1 | | <LOQ | 6 |
| Aflatoxin G2 | | <LOQ | 6 | Aflatoxin Total | 20 | <LOQ | 6 | Ochratoxin A | 20 | <LOQ | 12 |

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Pathogenic Microbiology #3 (HEMP Compliance Panel) (Passed) (qPCR)


| Analyte | Result | Analyte | Result | Analyte | Result |
|---------|---------|----------|---------|------------|---------|
| E.Coli | Absence | Listeria | Absence | Salmonella | Absence |

Terpenes - FL (Tested) (GC/GCMS)

| Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) |
|---------------------|---------------|-----|---------|---------------------|---------------|-------|---------|-----------------|---------------|-----|---------|
| (+)-Cedrol | <LOQ | | 0.001 | (R)-(+)-Limonene | 2.099 | 0.210 | 0.001 | 3-Carene | <LOQ | | 0.001 |
| Alpha-Bisabolol | <LOQ | | 0.001 | alpha-Cedrene | <LOQ | | 0.001 | alpha-Humulene | <LOQ | | 0.001 |
| alpha-Phellandren-e | <LOQ | | 0.001 | alpha-Pinene | <LOQ | | 0.001 | alpha-Terpinene | <LOQ | | 0.001 |
| Borneol | <LOQ | | 0.001 | beta-Myrcene | <LOQ | | 0.001 | beta-Pinene | <LOQ | | 0.001 |
| Caryophyllene oxide | <LOQ | | 0.001 | Camphene | <LOQ | | 0.001 | Camphors | <LOQ | | 0.001 |
| Fenchyl Alcohol | <LOQ | | 0.001 | cis-Nerolidol | <LOQ | | 0.001 | Eucalyptol | <LOQ | | 0.001 |
| | | | | Farnesene | <LOQ | | 0.001 | Fenchone | <LOQ | | 0.001 |
| | | | | gamma-Terpinene | <LOQ | | 0.001 | Geraniol | <LOQ | | 0.001 |
| | | | | Hexahydrothymol | <LOQ | | 0.001 | Geranyl acetate | <LOQ | | 0.001 |
| | | | | Linalool | <LOQ | | 0.001 | Isoborneol | <LOQ | | 0.001 |
| | | | | Pulegone | <LOQ | | 0.001 | Nerol | <LOQ | | 0.001 |
| | | | | Terpineol | <LOQ | | 0.001 | Sabinene | <LOQ | | 0.001 |
| | | | | trans-Caryophyllene | <LOQ | | 0.001 | Terpinolene | <LOQ | | 0.001 |
| | | | | | | | | trans-Nerolidol | <LOQ | | 0.001 |
| | | | | | | | | Valencene | <LOQ | | 0.001 |

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Method: SOP-3



Pesticides (Passed)

(LCMS/MS)

| Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|------------------|--------------------|--------------|-----------|------------------|--------------------|--------------|-----------|-------------------------|--------------------|--------------|-----------|
| Abamectin | 300 | <LOQ | 28.23 | Acephate | 3000 | <LOQ | 30 | Acequinocyl | 2000 | <LOQ | 48 |
| Acetamiprid | 3000 | <LOQ | 30 | Aldicarb | 100 | <LOQ | 30 | Azoxystrobin | 3000 | <LOQ | 10 |
| Bifenazate | 3000 | <LOQ | 30 | Bifenthrin | 500 | <LOQ | 30 | Chlorfenapyr | 100 | <LOQ | 48 |
| Chlorpyrifos | 100 | <LOQ | 30 | Clofentezine | 500 | <LOQ | 30 | Coumaphos | 100 | <LOQ | 30 |
| Cyfluthrin | 1000 | <LOQ | 30 | Cypermethrin | 1000 | <LOQ | 30 | Daminozide | 100 | <LOQ | 30 |
| DDVP(Dichlorvos) | 100 | <LOQ | 30 | Diazinon | 200 | <LOQ | 30 | Dimethoate | 100 | <LOQ | 30 |
| Dimethomorph | 3000 | <LOQ | 30 | Ethoprop(hos) | 100 | <LOQ | 30 | Etofenprox | 100 | <LOQ | 30 |
| Etoxazole | 1500 | <LOQ | 30 | Fenhexamid | 3000 | <LOQ | 30 | Fenoxycarb | 100 | <LOQ | 30 |
| Fipronil | 100 | <LOQ | 30 | Fonicamid | 2000 | <LOQ | 30 | Fludioxonil | 3000 | <LOQ | 30 |
| Hexythiazox | 2000 | <LOQ | 30 | Imazalil | 100 | <LOQ | 30 | Imidacloprid | 3000 | <LOQ | 30 |
| Kresoxim Methyl | 1000 | <LOQ | 30 | Malathion A | 2000 | <LOQ | 30 | Metalaxyl | 3000 | <LOQ | 10 |
| Methiocarb | 100 | <LOQ | 30 | Methomyl | 100 | <LOQ | 30 | Mevinphos | 100 | <LOQ | 30 |
| Myclobutanil | 3000 | <LOQ | 30 | Naled | 500 | <LOQ | 30 | Oxamyl | 500 | <LOQ | 30 |
| Paclobutrazol | 100 | <LOQ | 30 | Parathion-methyl | 100 | <LOQ | 48 | Pentachloronitrobenzene | 200 | <LOQ | 30 |
| Permethrin | 1000 | <LOQ | 30 | Phosmet | 200 | <LOQ | 30 | Piperonylbutoxide | 3000 | <LOQ | 30 |
| Prallethrin | 400 | <LOQ | 30 | Propiconazole | 1000 | <LOQ | 30 | Propoxur | 100 | <LOQ | 30 |
| Pyrethrins | 1000 | <LOQ | 30 | Pyridaben | 3000 | <LOQ | 30 | Spinetoram | 3000 | <LOQ | 30 |
| Spinosyn A | 3000 | <LOQ | 30 | Spinosyn D | 3000 | <LOQ | 30 | Spiromesifen | 3000 | <LOQ | 30 |
| Spirotetramat | 3000 | <LOQ | 30 | Spiroxamine | 100 | <LOQ | 30 | Tebuconazole | 1000 | <LOQ | 30 |
| Thiacloprid | 100 | <LOQ | 30 | Thiamethoxam | 1000 | <LOQ | 30 | Trifloxystrobin | 3000 | <LOQ | 30 |

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