



DEA No. RA0571996
 FL License # CMTL-0003
 CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

SIVAN REMEDIES
 PO BOX 378
 POINT LOOKOUT, NY 11569

Batch # 2022-0460
 Batch Date: 2022-05-24
 Extracted From: Hemp

Sampling Method: MSP 7.3.1
 Test Reg State: Florida

Order # SIV220526-020001
 Order Date: 2022-05-26
 Sample # AACW455

Sampling Date: 2022-05-30
 Lab Batch Date: 2022-05-30
 Completion Date: 2022-06-02

Initial Gross Weight: 46.184 g

Number of Units: 1
 Net Weight per Unit: 3889.455 mg



Potency Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Residual Solvents Passed

Pathogenic Microbiology Passed

Listeria Monocytogenes Passed

Product Image

Potency 10
 Specimen Weight: 1535.800 mg

Tested
 SOP13.001 (LCUV)

Potency Summary

| | |
|--------------------------------------|---------------------------------------|
| Total THC None Detected | Total CBD 12.520mg |
| Total CBG 0.233% 9.060mg | Total CBN 0.072% 2.800mg |
| Other Cannabinoids 0.144% 5.600mg | Total Cannabinoids 0.771% 29.990mg |

Pieces For Panel: 11

| Analyte | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%) |
|-------------|----------------|----------|---------|---------------|-------|
| CBD | 1000.000 | 0.000054 | 0.002 | 3.220 | 0.322 |
| CBG | 1000.000 | 0.000248 | 0.002 | 2.330 | 0.233 |
| CBC | 1000.000 | 0.000018 | 0.002 | 1.420 | 0.142 |
| CBN | 1000.000 | 0.000014 | 0.002 | 0.720 | 0.072 |
| CBDV | 1000.000 | 0.000065 | 0.002 | 0.020 | 0.002 |
| THCA | 1000.000 | 0.000032 | 0.002 | <LOQ | <LOQ |
| Delta-9 THC | 1000.000 | 0.000013 | 0.002 | <LOQ | <LOQ |
| CBGA | 1000.000 | 0.000008 | 0.002 | <LOQ | <LOQ |
| CBDA | 1000.000 | 0.000001 | 0.002 | <LOQ | <LOQ |
| THCV | 1000.000 | 0.000007 | 0.002 | <LOQ | <LOQ |

Xueli Gao
 Ph.D., DABT
 Lab Toxicologist

Aixia Sun
 D.H.Sc., M.Sc., B.Sc., MT (AAB)
 Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (aw) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

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Initial Gross Weight: 46.184 g

Number of Units: 1
Net Weight per Unit: 3889.455 mg

Pesticides FL V4

Specimen Weight: 262.100 mg

Passed
SOP13.007
(LCMS/GCMS)

Dilution Factor: 5.723

| Analyte | LOQ (ppb) | Action | Level (ppb) | Result (ppb) | Analyte | LOQ (ppb) | Action | Level (ppb) | Result (ppb) |
|-----------------------|-----------|--------|-------------|--------------|--------------------------|-----------|--------|-------------|--------------|
| Abamectin | 28.23 | | 300 | <LOQ | Fludioxonil | 48 | 3000 | <LOQ | |
| Acephate | 30 | | 3000 | <LOQ | Hexythiazox | 30 | 2000 | <LOQ | |
| Acequinocyl | 48 | | 2000 | <LOQ | Imazalil | 30 | 100 | <LOQ | |
| Acetaminiprid | 30 | | 3000 | <LOQ | Imidacloprid | 30 | 3000 | <LOQ | |
| Aldicarb | 30 | | 100 | <LOQ | Kresoxim Methyl | 30 | 1000 | <LOQ | |
| Azoxystrobin | 10 | | 3000 | <LOQ | Malathion | 30 | 2000 | <LOQ | |
| Bifenazate | 30 | | 3000 | <LOQ | Metaxyl | 10 | 3000 | <LOQ | |
| Bifenthrin | 30 | | 500 | <LOQ | Methiocarb | 30 | 100 | <LOQ | |
| Boscalid | 10 | | 3000 | <LOQ | Methomyl | 30 | 100 | <LOQ | |
| Captan | 30 | | 3000 | <LOQ | methyl-Parathion | 10 | 100 | <LOQ | |
| Carbaryl | 10 | | 500 | <LOQ | Mevinphos | 10 | 100 | <LOQ | |
| Carbofuran | 10 | | 100 | <LOQ | Myclobutanil | 30 | 3000 | <LOQ | |
| Chlorantraniliprole | 10 | | 3000 | <LOQ | Naled | 30 | 500 | <LOQ | |
| Chloridane | 10 | | 100 | <LOQ | Oxamyl | 30 | 500 | <LOQ | |
| Chlorfenapyr | 30 | | 100 | <LOQ | Paclitubutrazol | 30 | 100 | <LOQ | |
| Chloromequat Chloride | 10 | | 3000 | <LOQ | Pentachloronitro benzene | 10 | 200 | <LOQ | |
| Chlorpyrifos | 30 | | 100 | <LOQ | Permethrin | 30 | 1000 | <LOQ | |
| Clofentezine | 30 | | 500 | <LOQ | Phosmet | 30 | 200 | <LOQ | |
| Coumaphos | 48 | | 100 | <LOQ | Piperonylbutoxid e | 30 | 3000 | <LOQ | |
| Cyfluthrin | 30 | | 1000 | <LOQ | Prallethrin | 30 | 400 | <LOQ | |
| Cypermethrin | 30 | | 1000 | <LOQ | Propiconazole | 30 | 1000 | <LOQ | |
| Daminozide | 30 | | 100 | <LOQ | Propoxur | 30 | 100 | <LOQ | |
| Diazinon | 30 | | 200 | <LOQ | Pyrethrins | 30 | 1000 | <LOQ | |
| Dichlorvos | 30 | | 100 | <LOQ | Pyridaben | 30 | 3000 | <LOQ | |
| Dimethoate | 30 | | 100 | <LOQ | Spinetoram | 10 | 3000 | <LOQ | |
| Dimethomorph | 48 | | 3000 | <LOQ | Spinosad | 30 | 3000 | <LOQ | |
| Ethoprophos | 30 | | 100 | <LOQ | Spiromesifen | 30 | 3000 | <LOQ | |
| Etofenprox | 30 | | 100 | <LOQ | Spirotetramat | 30 | 3000 | <LOQ | |
| Etoxazole | 30 | | 1500 | <LOQ | Spiroxamine | 30 | 100 | <LOQ | |
| Fenhexamid | 10 | | 3000 | <LOQ | Tebuconazole | 30 | 1000 | <LOQ | |
| Fenoxycarb | 30 | | 100 | <LOQ | Thiacloprid | 30 | 100 | <LOQ | |
| Fenpyroximate | 30 | | 2000 | <LOQ | Thiamethoxam | 30 | 1000 | <LOQ | |
| Fipronil | 30 | | 100 | <LOQ | Trifloxystrobin | 30 | 3000 | <LOQ | |
| Fonicamid | 30 | | 2000 | <LOQ | | | | | |

Residual Solvents - FL (CBD)

Specimen Weight: 10.700 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 1.000

| Analyte | LOQ (ppm) | Action | Level (ppm) | Result (ppm) | Analyte | LOQ (ppm) | Action | Level (ppm) | Result (ppm) |
|--------------------|-----------|--------|-------------|--------------|--------------------|-----------|--------|-------------|--------------|
| 1,1-Dichloroethane | 0.16 | | 8 | <LOQ | Heptane | 1.39 | | 5000 | <LOQ |
| 1,2-Dichloroethane | 0.04 | | 5 | <LOQ | Hexane | 1.17 | | 290 | <LOQ |
| Acetone | 2.08 | | 5000 | <LOQ | Isopropyl alcohol | 1.39 | | 500 | <LOQ |
| Acetonitrile | 1.17 | | 410 | <LOQ | Methanol | 0.69 | | 3000 | Passed |
| Benzene | 0.02 | | 2 | <LOQ | Methylene chloride | 2.43 | | 600 | <LOQ |
| Butanes | 2.5 | | 2000 | <LOQ | Pentane | 2.08 | | 5000 | <LOQ |
| Chloroform | 0.04 | | 60 | <LOQ | Propane | 5.83 | | 2100 | <LOQ |
| Ethanol | 2.78 | | 5000 | Passed | Toluene | 2.92 | | 890 | <LOQ |
| Ethyl Acetate | 1.11 | | 5000 | <LOQ | Total Xylenes | 2.92 | | 2170 | <LOQ |
| Ethyl Ether | 1.39 | | 5000 | <LOQ | Trichloroethylene | 0.49 | | 80 | <LOQ |
| Ethylene Oxide | 0.1 | | 5 | <LOQ | | | | | |

Mycotoxins

Specimen Weight: 262.100 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 5.723

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

Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1036.280 mg

Passed
SOP13.019 (Micro Array)

Dilution Factor: 1.000

| Analyte | Result (cfu/g) | Analyte | Result (cfu/g) |
|-----------------------|----------------|---------------------|----------------|
| Aspergillus flavus | Absence in 1g | Aspergillus terreus | Absence in 1g |
| Aspergillus fumigatus | Absence in 1g | Salmonella | Absence in 1g |
| Aspergillus niger | Absence in 1g | STEC E. Coli | Absence in 1g |

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Aixia Sun
Aixia Sun Lab Director/Principal Scientist
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Initial Gross Weight: 46.184 g

Number of Units: 1
Net Weight per Unit: 3889.455 mg

Heavy Metals

Specimen Weight: 253.070 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 197

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



Listeria Monocytogenes

Specimen Weight: 1020.710 mg

Passed
SOP13.010 (qPCR)

Dilution Factor: 1.000

| Analyte | Action Level (cfu/g) | Result |
|------------------------|----------------------|---------------|
| Listeria Monocytogenes | 1 | Absence in 1g |

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Lab Toxicologist

Aixia Sun
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D.H.Sc., M.Sc., B.Sc., MT (AAB)
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