

Customer:
CBDfx

EA Sample ID: 24EA0408-001
Sample Name: Tincture - Calming 2000mg
Sample Type: Liquid
Batch/Lot: 0324C2K
Reference #:

Date Received:
04/08/2024
Date Completed:
04/15/2024




ETHOS
ANALYTICS

CERTIFICATE OF ANALYSIS

Summary of Results

| Analysis Type | SOP | Date Tested | Status |
|-------------------|----------------|-------------|----------|
| Cannabinoids | EA-SOP-POTENCY | 04/09/2024 | Complete |
| Heavy Metals | EA-SOP-HM | 04/12/2024 | Pass |
| Microbials | EA-SOP-ARIA | 04/13/2024 | Pass |
| Mycotoxins | EA-SOP-MYCO | 04/15/2024 | Pass |
| Residual Solvents | EA-SOP-RES | 04/14/2024 | Pass |
| Pesticides | EA-SOP-PEST | 04/15/2024 | Pass |



Unit Size (g): 30

POTENCY CANNABINOID PROFILE

| | |
|---|---|
| Total THC THCA * 0.877 + D9-THC 5.01 mg/unit | Total CBD CBDA * 0.877 + CBD 2122.24 mg/unit |
|---|---|

| Analyte | Result (mg/g) | mg/unit | w/w % | LOQ (ppm) | LOD (ppm) |
|---------------------------------------|---------------|---------|-------|-----------|-----------|
| CANNABIDIVARIN (CBDV) | 0.35 | 10.47 | 0.03 | 100 | 30 |
| CANNABICHROMENE (CBC) | 0.32 | 9.54 | 0.03 | 100 | 30 |
| CANNABIGEROL (CBG) | <LOQ | <LOQ | <LOQ | 100 | 30 |
| CANNABINOL (CBN) | 5.52 | 165.64 | 0.55 | 100 | 30 |
| CANNABIDIOL (CBD) | 70.74 | 2122.24 | 7.07 | 100 | 30 |
| CANNABIDIOLIC ACID (CBDA) | ND | ND | ND | 100 | 30 |
| Δ9-TETRAHYDROCANNABINOLIC ACID (THCA) | ND | ND | ND | 100 | 30 |
| Δ9-TETRAHYDROCANNABINOL (D9-THC) | 0.17 | 5.01 | 0.02 | 100 | 30 |
| Δ8-TETRAHYDROCANNABINOL (D8-THC) | ND | ND | ND | 100 | 30 |

NOTES:

ND = NOT DETECTED; LOD = LIMIT OF DETECTION; LOQ = LIMIT OF QUANTIFICATION

The cannabinoid potency reported above was analyzed via High Performance Liquid Chromatography (HPLC) using Variable Wavelength Detection (VWD).



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Noel Samsum
Laboratory Director
15-Apr-2024

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Heavy Metal Analysis

| Analyte | Result (ppm) | LOQ (ppm) | LOD (ppm) | Limit (ppm) | Pass/Fail |
|---------|--------------|-----------|-----------|-------------|-----------|
| Arsenic | <LOD | 0.010 | 0.005 | 1.5 | Pass |
| Cadmium | <LOD | 0.010 | 0.005 | 0.5 | Pass |
| Lead | <LOD | 0.010 | 0.005 | 0.5 | Pass |
| Mercury | <LOD | 0.010 | 0.005 | 3.0 | Pass |

Microbiological Analysis

| Microbe | Result | Limit | Pass/Fail |
|----------------------------|--------------|-------------|-----------|
| Aspergillus Flavus | Negative/1g | Negative/1g | Pass |
| Aspergillus Fumigatus | Negative/1g | Negative/1g | Pass |
| Aspergillus Niger | Negative/1g | Negative/1g | Pass |
| Aspergillus Terreus | Negative/1g | Negative/1g | Pass |
| Escherichia Coli (E. Coli) | Negative/1g | Negative/1g | Pass |
| Salmonella | Negative/1g | Negative/1g | Pass |
| Yeast/Mold | Not Detected | - | Pass |

NOTES:

CFU = Colony Forming Unit
NS = Not Specified
NT = Not Tested

LOQ = Limit of Quantification
LOD = Limit of Detection



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Mycotoxins

| Analyte | Result (ppb) | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Pass/Fail |
|------------------|--------------|-----------|-----------|-------------|-----------|
| Aflatoxin B1 | <LOD | 3.0 | 9.0 | - | - |
| Aflatoxin B2 | <LOD | 2.0 | 9.0 | - | - |
| Aflatoxin G1 | <LOD | 3.0 | 9.0 | - | - |
| Aflatoxin G2 | <LOD | 2.0 | 6.0 | - | - |
| Ochratoxin A | <LOD | 4.0 | 12.0 | 20 | Pass |
| Total Aflatoxins | <LOD | | | 20 | Pass |

Residual Solvent Analysis

| Analyte | Result (ppm) | LOD (ppm) | LOQ (ppm) | Limit (ppm) | Pass/Fail |
|---------------------|--------------|-----------|-----------|-------------|-----------|
| 1,2-Dichloro-Ethane | <LOD | 0.10 | 0.30 | 1 | Pass |
| Benzene | <LOD | 0.03 | 0.10 | 1 | Pass |
| Chloroform | <LOD | 0.03 | 0.10 | 1 | Pass |
| Ethylene Oxide | <LOD | 0.20 | 0.60 | 1 | Pass |
| Methylene-Chloride | <LOD | 0.10 | 0.80 | 1 | Pass |
| Trichloroethene | <LOD | 0.03 | 0.20 | 1 | Pass |
| Acetone | <LOD | 1 | 60 | 5000 | Pass |
| Acetonitrile | <LOD | 1 | 5 | 410 | Pass |
| Butane | <LOD | 1 | 5 | 5000 | Pass |
| Ethanol | <LOD | 3 | 10 | 5000 | Pass |
| Ethyl-Acetate | <LOD | 1 | 5 | 5000 | Pass |
| Ethyl-Ether | <LOD | 1 | 5 | 5000 | Pass |
| Heptane | <LOD | 1 | 5 | 5000 | Pass |
| n-Hexane | <LOD | 1 | 5 | 290 | Pass |
| Isopropanol | <LOD | 1 | 5 | 5000 | Pass |
| Methanol | <LOD | 1 | 5 | 3000 | Pass |
| Pentane | <LOD | 2 | 5 | 5000 | Pass |
| Propane | <LOD | 5 | 10 | 5000 | Pass |
| Toluene | <LOD | 1 | 5 | 890 | Pass |
| Xylenes | <LOD | 1 | 5 | 2170 | Pass |



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Category 1 Pesticide Analysis

| Analyte | Result (ppm) | LOD (ppm) | LOQ (ppm) | Pass/Fail |
|------------------|--------------|-----------|-----------|-----------|
| Aldicarb | <LOD | 0.025 | 0.075 | Pass |
| Carbofuran | <LOD | 0.025 | 0.075 | Pass |
| Chlordane | <LOD | 0.025 | 0.075 | Pass |
| Chlorfenapyr | <LOD | 0.025 | 0.075 | Pass |
| Chlorpyrifos | <LOD | 0.025 | 0.075 | Pass |
| Coumaphos | <LOD | 0.025 | 0.075 | Pass |
| Daminozide | <LOD | 0.030 | 0.080 | Pass |
| Dichlorvos | <LOD | 0.025 | 0.075 | Pass |
| Dimethoate | <LOD | 0.025 | 0.075 | Pass |
| Ethoprophos | <LOD | 0.025 | 0.075 | Pass |
| Etofenprox | <LOD | 0.025 | 0.075 | Pass |
| Fenoxycarb | <LOD | 0.025 | 0.075 | Pass |
| Fipronil | <LOD | 0.025 | 0.075 | Pass |
| Imazalil | <LOD | 0.025 | 0.075 | Pass |
| Methiocarb | <LOD | 0.025 | 0.075 | Pass |
| Mevinphos | <LOD | 0.025 | 0.075 | Pass |
| Paclobutrazol | <LOD | 0.025 | 0.075 | Pass |
| Parathion Methyl | <LOD | 0.025 | 0.075 | Pass |
| Propoxur | <LOD | 0.025 | 0.075 | Pass |
| Spiroxamine | <LOD | 0.025 | 0.075 | Pass |
| Thiacloprid | <LOD | 0.025 | 0.075 | Pass |



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Category 2 Pesticide Analysis

| Analyte | Result (ppm) | LOD (ppm) | LOQ (ppm) | Limit (ppm) | Pass/Fail |
|---------------------|--------------|-----------|-----------|-------------|-----------|
| Abamectin | <LOD | 0.010 | 0.050 | 0.3 | Pass |
| Acephate | <LOD | 0.020 | 0.050 | 5 | Pass |
| Acequinocyl | <LOD | 0.020 | 0.075 | 4 | Pass |
| Acetamiprid | <LOD | 0.020 | 0.050 | 5 | Pass |
| Azoxystrobin | <LOD | 0.010 | 0.050 | 40 | Pass |
| Bifenazate | <LOD | 0.020 | 0.050 | 5 | Pass |
| Bifenthrin | <LOD | 0.020 | 0.050 | 0.5 | Pass |
| Boscalid | <LOD | 0.020 | 0.075 | 10 | Pass |
| Captan | <LOD | 0.150 | 0.400 | 5 | Pass |
| Carbaryl | <LOD | 0.020 | 0.050 | 0.5 | Pass |
| Chlorantraniliprole | <LOD | 0.025 | 0.075 | 40 | Pass |
| Clofentezine | <LOD | 0.020 | 0.050 | 0.5 | Pass |
| Cyfluthrin | <LOD | 0.020 | 0.075 | 1 | Pass |
| Cypermethrin | <LOD | 0.020 | 0.050 | 1 | Pass |
| Diazinon | <LOD | 0.010 | 0.050 | 0.2 | Pass |
| Dimethomorph | <LOD | 0.020 | 0.050 | 20 | Pass |
| Etoxazole | <LOD | 0.010 | 0.050 | 1.5 | Pass |
| Fenhexamid | <LOD | 0.020 | 0.050 | 10 | Pass |
| Fenpyroximate | <LOD | 0.010 | 0.050 | 2 | Pass |
| Flonicamid | <LOD | 0.030 | 0.090 | 2 | Pass |
| Fludioxonil | <LOD | 0.020 | 0.050 | 30 | Pass |
| Hexythiazox | <LOD | 0.030 | 0.090 | 2 | Pass |
| Imidacloprid | <LOD | 0.030 | 0.075 | 3 | Pass |



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Category 2 Pesticide Analysis Continued

| Analyte | Result (ppm) | LOD (ppm) | LOQ (ppm) | Limit (ppm) | Pass/Fail |
|-------------------------|--------------|-----------|-----------|-------------|-----------|
| Kresoxim Methyl | <LOD | 0.020 | 0.050 | 1 | Pass |
| Malathion | <LOD | 0.020 | 0.050 | 5 | Pass |
| Metalaxyl | <LOD | 0.010 | 0.050 | 15 | Pass |
| Methomyl | <LOD | 0.020 | 0.050 | 0.1 | Pass |
| Myclobutanil | <LOD | 0.020 | 0.075 | 9 | Pass |
| Naled | <LOD | 0.020 | 0.075 | 0.5 | Pass |
| Oxamyl | <LOD | 0.020 | 0.050 | 0.3 | Pass |
| Pentachloronitrobenzene | <LOD | 0.020 | 0.075 | 0.2 | Pass |
| Permethrin | <LOD | 0.010 | 0.050 | 20 | Pass |
| Phosmet | <LOD | 0.020 | 0.050 | 0.2 | Pass |
| Piperonyl Butoxide | <LOD | 0.010 | 0.050 | 8 | Pass |
| Prallethrin | <LOD | 0.025 | 0.075 | 0.4 | Pass |
| Propiconazole | <LOD | 0.020 | 0.075 | 20 | Pass |
| Pyrethrins | <LOD | 0.010 | 0.050 | 1 | Pass |
| Pyridaben | <LOD | 0.020 | 0.050 | 3 | Pass |
| Spinetoram | <LOD | 0.010 | 0.050 | 3 | Pass |
| Spinosad | <LOD | 0.010 | 0.050 | 3 | Pass |
| Spiromesifen | <LOD | 0.020 | 0.050 | 12 | Pass |
| Spirotetramat | <LOD | 0.020 | 0.050 | 13 | Pass |
| Tebuconazole | <LOD | 0.020 | 0.050 | 2 | Pass |
| Thiamethoxam | <LOD | 0.020 | 0.075 | 4.5 | Pass |
| Trifloxystrobin | <LOD | 0.010 | 0.050 | 30 | Pass |



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