



**K N D L A B S**

**Certificate of Analysis Documents**  
**KND Labs Full Spectrum Distillate (Raw)**

**Product:** FSO23-R-643

**Contents:**

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***This product is only available to pre-qualified formulators as it is a “work in progress product” and must be brought to Industrial Hemp Farm Bill compliant levels prior to use.***

**The Industry Leader in Quality, Certifications and Compliance at Scale.**



## Certificate of Analysis

Compliance Test

### Client Information:

**KND Labs LLC**  
5801 W 6th Ave  
Unit A  
Lakewood, CO 80214

Batch # FS023-R-643  
Batch Date: 2023-01-23  
Extracted From: 104142

Test Reg State: Florida

Order # CLO230123-010001  
Order Date: 2023-01-23  
Sample # AAEA043

Sampling Date: 2023-01-25  
Lab Batch Date: 2023-01-25  
Orig. Completion Date: 2023-02-02

Initial Gross Weight: 69.558 g

Statement of Amendment: Updated Batch#



Product Image



**Pesticides**  
Passed



**Potency**  
Tested



**Heavy Metals**  
Passed



**Mycotoxins**  
Passed



**Residual Solvents**  
Passed



**Residual Solvents**  
Passed



**Water Activity**  
Tested



**Listeria Monocytogenes**  
Passed



**Pathogenic**  
Passed



**Microbiology Petrifilm**  
Passed



### Potency 10

Specimen Weight: 59.520 mg

### Tested

SOP13.001 (LCUV)

| Analyte          | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | Result (%) |
|------------------|----------------|---------|---------|---------------|------------|
| CBD              | 100.000        | 5.40E-5 | 0.0015  | 844.2000      | 84.4200    |
| Delta-9 THC      | 10.000         | 1.30E-5 | 0.0015  | 32.5000       | 3.2500     |
| CBG              | 10.000         | 2.48E-4 | 0.0015  | 23.5400       | 2.3540     |
| CBDV             | 10.000         | 6.50E-5 | 0.0015  | 14.9000       | 1.4900     |
| CBC              | 10.000         | 1.80E-5 | 0.0015  | 6.2590        | 0.6259     |
| THCV             | 10.000         | 7.00E-6 | 0.0015  | 0.8554        | 0.0855     |
| CBN              | 10.000         | 1.40E-5 | 0.0015  | 0.4149        | 0.0415     |
| CBDA             | 10.000         | 1.00E-5 | 0.0015  | <LOQ          | <LOQ       |
| CBGA             | 10.000         | 8.00E-5 | 0.0015  | <LOQ          | <LOQ       |
| THCA-A           | 10.000         | 3.20E-5 | 0.0015  | <LOQ          | <LOQ       |
| Total Active CBD | 10.000         |         |         | 844.200       | 84.420     |
| Total Active THC | 10.000         |         |         | 32.500        | 3.250      |



### Potency Summary

**Total Active THC**  
3.250%

**Total Active CBD**  
84.420%

**Total CBG**  
2.354%

**Total CBN**  
0.041%

**Other Cannabinoids**  
2.202%

**Total Cannabinoids**  
92.267%

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



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), Total Active 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, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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 (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram, ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K4.036, 5K4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K4.036, 5K4.034 Sample not received via laboratory sampling. Revised report- see statement of amendment above. \*Batch #: FS023-R-643 is identical to Cloud Co. Farms' batch #: CCF-01232023-D137.

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## Certificate of Analysis

Compliance Test

**Client Information:**

**KND Labs LLC**

**5801 W 6th Ave**

**Unit A**

**Lakewood, CO 80214**

**Order # CLO230123-010001**

**Order Date: 2023-01-23**

**Sample # AAEA043**

**Batch # FS023-R-643**

**Batch Date: 2023-01-23**

**Extracted From: 104142**

**Test Reg State: Florida**

**Sampling Date: 2023-01-25**

**Lab Batch Date: 2023-01-25**

**Orig. Completion Date: 2023-02-02**

**Initial Gross Weight: 69.558 g**

**Water Activity**  
Specimen Weight: 0.500 g  
Dilution Factor: 1.000

| Analyte        | Action Level (aw) | Result (aw) |
|----------------|-------------------|-------------|
| Water Activity | 0.85              | 0.262       |

**Pathogenic SAE (qPCR) - CO**  
Specimen Weight: 25.109 g  
Dilution Factor: 1.000

| Analyte                                         | Action Level (cfu/g) | Result (cfu/g) | Analyte | Action Level (cfu/g) | Result (cfu/g) |
|-------------------------------------------------|----------------------|----------------|---------|----------------------|----------------|
| Aspergillus (Flavus, Fumigatus, Niger, Terreus) | 1                    | Absence in 1g  | STEC    | 25                   | Absence in 25g |
| Salmonella                                      | 25                   | Absence in 25g |         |                      |                |

**Tested**

**SOP13.016 (Water Activity Analyzer)**



**Listeria Monocytogenes**

Specimen Weight: 995.100 mg

Dilution Factor: 1.000

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

**Passed**

**SOP13.032 (qPCR)**



**Microbiology (Petrifilm/Plating) - CO**

Specimen Weight: 995.000 mg

Dilution Factor: 1.000

| Analyte          | LOQ (cfu/g) | Action Level (cfu/g) | Result (cfu/g) | Analyte    | LOQ (cfu/g) | Action Level (cfu/g) | Result (cfu/g) |
|------------------|-------------|----------------------|----------------|------------|-------------|----------------------|----------------|
| Aerobic Bacteria | 10          | 10000                | <10            | Yeast/Mold | 10          | 1000                 | <10            |
| Total Coliform   | 10          | 100                  | <10            |            |             |                      |                |

**Passed**

**SOP13.003 (Petrifilm)**

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Definitions are found on page 1

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5801 W 6th Ave  
Unit A  
Lakewood, CO 80214

Batch # FS023-R-643  
Batch Date: 2023-01-23  
Extracted From: 104142

Test Reg State: Florida

Order # CLO230123-010001  
Order Date: 2023-01-23  
Sample # AAEA043

Sampling Date: 2023-01-25  
Lab Batch Date: 2023-01-25  
Orig. Completion Date: 2023-02-02

Initial Gross Weight: 69.558 g



### Mycotoxins - CO

Specimen Weight: 533.700 mg

Dilution Factor: 2.810

**Passed**

SOP14.003 (LCMS)

| Analyte         | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|-----------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Aflatoxin B1    | 3.7250E-1 | 2.5       | 5                  | <LOQ         | Ochratoxin A | 1.8997E-1 | 3.8       | 5                  | <LOQ         |
| Aflatoxin Total |           | 2.5       | 20                 | <LOQ         |              |           |           |                    |              |



### Heavy Metals

Specimen Weight: 246.830 mg

Dilution Factor: 202

**Passed**

SOP13.048 (ICP-MS)

| Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte      | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Arsenic (As) | 4.83      | 100       | 1500               | <LOQ         | Lead (Pb)    | 11.76     | 100       | 500                | <LOQ         |
| Cadmium (Cd) | .64       | 100       | 500                | <LOQ         | Mercury (Hg) | .58       | 100       | 3000               | <LOQ         |



### Residual Solvents - FL

Specimen Weight: 311.800 mg

Dilution Factor: 500.000

**Passed**

SOP13.039 (GCMS)

| Analyte            | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte            | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------------|-----------|-----------|--------------------|--------------|--------------------|-----------|-----------|--------------------|--------------|
| 1,1-Dichloroethene | 0.0094    | 0.132     | 8                  | <LOQ         | Heptane            | 0.0013    | 8         | 500                | <LOQ         |
| 1,2-Dichloroethane | 0.0003    | 0.032     | 2                  | <LOQ         | Isopropyl alcohol  | 0.0048    | 8         | 500                | <LOQ         |
| Acetonitrile       | 0.06      | 0.96      | 60                 | <LOQ         | Methylene chloride | 0.0029    | 2         | 125                | <LOQ         |
| Butanes            | 0.4167    | 13.32     | 2000               | <LOQ         | Propane            | 0.031     | 26.668    | 2100               | <LOQ         |
| Ethyl Acetate      | 0.0012    | 6.4       | 400                | <LOQ         | Total Xylenes      | 0.0001    | 7.2       | 150                | <LOQ         |
| Ethyl Ether        | 0.0049    | 8         | 500                | <LOQ         | Trichloroethylene  | 0.0014    | 0.4       | 25                 | <LOQ         |
| Ethylene Oxide     | 0.0038    | 0.32      | 5                  | <LOQ         |                    |           |           |                    |              |

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**Client Information:**

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Unit A  
Lakewood, CO 80214

Batch # FS023-R-643  
Batch Date: 2023-01-23  
Extracted From: 104142

Test Reg State: Florida

Order # CLO230123-010001  
Order Date: 2023-01-23  
Sample # AAEA043

Sampling Date: 2023-01-25  
Lab Batch Date: 2023-01-25  
Orig. Completion Date: 2023-02-02

Initial Gross Weight: 69.558 g

**Residual Solvents UT**  
Specimen Weight: 311.800 mg  
Dilution Factor: 500.000

**Passed**  
SOP13.039 (GCMS)

| Analyte             | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte               | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|---------------------|-----------|-----------|--------------------|--------------|-----------------------|-----------|-----------|--------------------|--------------|
| 1,2 Dimethoxyethane | 0.004     | 6.4       | 100                | <LOQ         | Ethanol               | 0.0044    | 16        | 5000               | <LOQ         |
| 1,4 Dioxane         | 0.0022    | 8         | 380                | <LOQ         | Ethyl Acetate         | 0.0017    | 6.4       | 5000               | <LOQ         |
| 1-Butanol           | 0.0103    | 6.4       | 5000               | <LOQ         | Ethyl Ether           | 0.0004    | 8         | 5000               | <LOQ         |
| 1-Pentanol          | 0.0103    | 0.32      | 5000               | <LOQ         | Ethylbenzene          | 0.0002    | 6.4       | 1000               | <LOQ         |
| 1-Propanol          | 0.0003    | 8         | 5000               | <LOQ         | Ethylene glycol       | 0.0013    | 6.4       | 620                | <LOQ         |
| 2,2-dimethylbutane  | 0.0016    | 12        | 290                | <LOQ         | Ethylene Oxide        | 0.149     | 0.32      | 50                 | <LOQ         |
| 2,3-dimethylbutane  | 0.0011    | 26.668    | 290                | <LOQ         | Heptane               | 0.0022    | 8         | 5000               | <LOQ         |
| 2-Butanol           | 0.0002    | 8         | 5000               | <LOQ         | Isopropyl acetate     | 0.0012    | 8         | 5000               | <LOQ         |
| 2-Ethoxyethanol     | 0.0013    | 4         | 160                | <LOQ         | Methanol              | 0.0021    | 4         | 3000               | <LOQ         |
| 2-methylbutane      | 0.0108    | 2         | 5000               | <LOQ         | Methylpropane         | 0.0366    | 2         | 5000               | <LOQ         |
| 2-Methylpentane     | 0.0005    | 6.4       | 290                | <LOQ         | N,N-dimethylacetamide | 0.0229    | 6.4       | 1090               | <LOQ         |
| 2-Propanol (IPA)    | 0.111     | 6.4       | 5000               | <LOQ         | N,N-dimethylformamide | 0.005     | 0.132     | 880                | <LOQ         |
| 3-Methylpentane     | 0.0003    | 2.4       | 290                | <LOQ         | n-Hexane              | 0.0008    | 0.8       | 290                | <LOQ         |
| Acetone             | 0.0009    | 12        | 5000               | <LOQ         | Pentane               | 0.0167    | 12        | 5000               | <LOQ         |
| Acetonitrile        | 0.0011    | 0.96      | 410                | <LOQ         | Propane               | 0.0849    | 26.668    | 5000               | <LOQ         |
| Benzene             | 0.0003    | 0.016     | 2                  | <LOQ         | Pyridine              | 0.0014    | 6.4       | 100                | <LOQ         |
| Butane              | 0.0028    | 13.32     | 5000               | <LOQ         | Sulfolane             | 0.0518    | 6.4       | 160                | <LOQ         |
| Cumene              | 0.0002    | 0.032     | 70                 | <LOQ         | Tetrahydrofuran       | 0.0006    | 6.4       | 720                | <LOQ         |
| Cyclohexane         | 0.0024    | 0.032     | 3880               | <LOQ         | Toluene               | 0.0003    | 2.4       | 890                | <LOQ         |
| Dichloromethane     | 0.0006    | 0.8       | 600                | <LOQ         | Total Xylenes         | 0.0002    | 7.2       | 1000               | <LOQ         |
| Dimethyl sulfoxide  | 0.001     | 6.4       | 5000               | <LOQ         |                       |           |           |                    |              |

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

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Test Reg State: Florida

Order # CLO230123-010001  
Order Date: 2023-01-23  
Sample # AAEA043

Sampling Date: 2023-01-25  
Lab Batch Date: 2023-01-25  
Orig. Completion Date: 2023-02-02

Initial Gross Weight: 69.558 g

**Pesticides - CO**  
Specimen Weight: 533.700 mg  
Dilution Factor: 2.810

**Passed**  
SOP14.003 (LCMS/GCMS)

| Analyte             | LOD (ppb)      | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte            | LOD (ppb)        | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte                            | LOD (ppb)           | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|---------------------|----------------|-----------|--------------------|--------------|--------------------|------------------|-----------|--------------------|--------------|------------------------------------|---------------------|-----------|--------------------|--------------|
| Abamectin           | 0.000318       | 250       | 250                | <LOQ         | Dodemorph          | 0.00000000000647 | 50        | 0                  | <LOQ         | Naled                              | 0.00000585          | 100       | 0                  | 0            |
| Accephate           | 0.039632       | 50        | 50                 | <LOQ         | Endosulfan sulfate | 0.88376          | 2500      | 2500               | <LOQ         | Novaluron                          | 0.000205            | 25        | 25                 | 25           |
| Acequinocyl         | 0.057646       | 30        | 0                  | <LOQ         | Endosulfan-alpha   | 12.22            | 2500      | 2500               | <LOQ         | Oxamyl                             | 0.001619            | 1500      | 1500               | 1500         |
| Acetamiprid         | 0.000000000338 | 50        | 50                 | <LOQ         | Endosulfan-beta    | 22.76            | 2500      | 2500               | <LOQ         | Paclobutrazol                      | 0.0000000693        | 10        | 10                 | 10           |
| Aldicarb            | 0.022744       | 500       | 500                | <LOQ         | Ethoprophos        | 0.0000159        | 10        | 10                 | <LOQ         | Pentachloronitrobenzen(Quintozone) | 4.39                | 20        | 0                  | 0            |
| Allethrin           | 0.472436       | 100       | 100                | <LOQ         | Etofenprox         | 0.008305         | 50        | 0                  | <LOQ         | Permethrin                         | 0.022089            | 500       | 0                  | 0            |
| Atrazine            | 0.379918       | 25        | 0                  | <LOQ         | Etiozazole         | 0.835582         | 20        | 0                  | <LOQ         | Phenothrin                         | 0.000000212         | 50        | 0                  | 0            |
| Azadirachtin        | 0.003071       | 500       | 500                | <LOQ         | Etridiazole        | 4.02             | 150       | 150                | <LOQ         | Phosmet                            | 0.009615            | 20        | 0                  | 0            |
| Azoxystrobin        | 0.013247       | 10        | 10                 | <LOQ         | Fenhexamid         | 1.094685         | 125       | 0                  | <LOQ         | Piperonylbutoxide                  | 0.000000134         | 1250      | 1250               | 1250         |
| Benzovindiflupyr    | 0.012567       | 10        | 10                 | <LOQ         | Fenoxycarb         | 0.345072         | 10        | 10                 | <LOQ         | Pirimicarb                         | 0.0000566           | 10        | 10                 | 10           |
| Bifenazate          | 0.0000000217   | 10        | 10                 | <LOQ         | Fenpyroximate      | 0.000000448      | 20        | 0                  | <LOQ         | Prallethrin                        | 0.167321            | 50        | 0                  | 0            |
| Bifenthrin          | 0.000842       | 1000      | 0                  | <LOQ         | Fensulfotiothion   | 0.000794         | 10        | 10                 | <LOQ         | Propiconazole                      | 0.0000000000000213  | 10        | 0                  | 0            |
| Boscalid            | 0.00000433     | 10        | 10                 | <LOQ         | Fenthion           | 4.911315         | 10        | 10                 | <LOQ         | Propoxur                           | 0.350807            | 10        | 10                 | 10           |
| Buprofezin          | 0.0000000166   | 20        | 0                  | <LOQ         | Fenvalerate        | 0.597752         | 100       | 0                  | <LOQ         | Pyraclostrobin                     | 0.000000531         | 10        | 10                 | 10           |
| Carbaryl            | 0.0000138      | 25        | 25                 | <LOQ         | Fipronil           | 0.028847         | 10        | 10                 | <LOQ         | Pyrethrins                         | 0.006235            | 50        | 0                  | 0            |
| Carbofuran          | 0.0000776      | 10        | 10                 | <LOQ         | Flonicamid         | 0.069733         | 25        | 25                 | <LOQ         | Pyridaben                          | 0.00000000000000875 | 20        | 20                 | 20           |
| Chlorantraniliprole | 0.135592       | 20        | 0                  | <LOQ         | Fludioxonil        | 0.013402         | 10        | 10                 | <LOQ         | Pyriproxyfen                       | 0.0000958           | 10        | 0                  | 0            |
| Chlorfenapyr        | 15.37          | 1500      | 1500               | <LOQ         | Fluopyram          | 0.0000000112     | 10        | 10                 | <LOQ         | Resmethrin                         | 0.068013            | 50        | 50                 | 50           |
| Chlorpyrifos        | 0.0000909      | 500       | 500                | <LOQ         | Hexythiazox        | 0.0000619        | 10        | 0                  | <LOQ         | Spinetoram                         | 0.023645            | 10        | 10                 | 10           |
| Clofentezine        | 0.000000371    | 10        | 10                 | <LOQ         | Imazail            | 0.000295         | 10        | 10                 | <LOQ         | Spinosad                           | 0.599029            | 10        | 10                 | 10           |
| Clothianidin        | 0.000399       | 25        | 25                 | <LOQ         | Imidacloprid       | 0.000153         | 10        | 10                 | <LOQ         | Spirodiclofen                      | 0.37376996          | 250       | 0                  | 0            |
| Coumaphos           | 0.0000986      | 10        | 10                 | <LOQ         | Iprodione          | 0.105543         | 500       | 500                | <LOQ         | Spiromesifen                       | 0.321831            | 3000      | 0                  | 0            |
| Cyantraniliprole    | 0.006004       | 10        | 10                 | <LOQ         | Kinoprene          | 3.4              | 500       | 1250               | <LOQ         | Spirotetramat                      | 0.04276             | 10        | 10                 | 10           |
| Cyfluthrin          | 28.13          | 200       | 0                  | <LOQ         | Kresoxim Methyl    | 0.000145         | 150       | 150                | <LOQ         | Spiroxamine                        | 1.217217            | 100       | 0                  | 0            |
| Cypermethrin        | 0.00000119     | 300       | 0                  | <LOQ         | Lambda             | 0.116859         | 250       | 0                  | <LOQ         | Tebuconazole                       | 0.00000000000000148 | 10        | 10                 | 10           |
| Cyprodinil          | 0.001141       | 10        | 10                 | <LOQ         | Cyhalothrin        | 0.000133         | 10        | 10                 | <LOQ         | Tebufenozide                       | 0.018121            | 10        | 10                 | 10           |
| Daminozide          | 0.30408        | 100       | 0                  | <LOQ         | Malathion          | 0.000486         | 10        | 10                 | <LOQ         | Teflubenzuron                      | 0.01662             | 25        | 25                 | 25           |
| Deltamethrin        | 0.492837       | 500       | 0                  | <LOQ         | Metaxyl            | 0.002281         | 10        | 10                 | <LOQ         | Tetrachlorvinphos                  | 0.839125            | 10        | 10                 | 10           |
| Diazinon            | 0.00000000391  | 20        | 0                  | <LOQ         | Methiocarb         | 0.0000115        | 25        | 25                 | <LOQ         | Tetramethrin                       | 0.0000992           | 100       | 0                  | 0            |
| Dichlorvos          | 1.140571       | 50        | 50                 | <LOQ         | Methoprene         | 1.148463         | 2000      | 0                  | <LOQ         | Thiabendazole                      | 0.001251            | 20        | 0                  | 0            |
| Dimethoate          | 0.0000284      | 10        | 10                 | <LOQ         | methyl-Parathion   | 4.24             | 50        | 0                  | <LOQ         | Thiacloprid                        | 0.0000112           | 10        | 10                 | 10           |
| Dimethomorph        | 0.000157       | 50        | 0                  | <LOQ         | Mevinphos          | 0.000442         | 25        | 25                 | <LOQ         | Thiamethoxam                       | 0.00000225          | 10        | 10                 | 10           |
| Dinotefuran         | 0.236975       | 50        | 50                 | <LOQ         | MGK-264            | 0.002588         | 50        | 0                  | <LOQ         | Thiophanate-methyl                 | 0.000223            | 50        | 0                  | 0            |
| Diuron              | 0.006862       | 125       | 0                  | <LOQ         | Myclobutanil       | 0.700059         | 10        | 10                 | <LOQ         | Trifloxystrobin                    | 0.0000000000000217  | 10        | 10                 | 10           |

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## Technical Specifications

**Product Name: FULL SPECTRUM RAW DISTILLATE**

**≥ 40% CBD | ≤ 5.0% THC**

### The Industry Leader in Certifications & Compliance



## 1. Product Data

### DESCRIPTION

KND Full Spectrum Raw Distillate goes through a primary extraction from industrial hemp using approved hydrocarbon solvents, denatured ethyl alcohol, or CO<sub>2</sub>. It is then refined into a high-potency distillate. The Industrial Hemp Biomass is sourced from US Growers who have registered with their state's respective Department of Agriculture.

### INTENDED USE

Industry specific per customer. Unfinished ingredient requiring further processing.

### COUNTRY OF ORIGIN

Made in USA from domestic ingredients

### INCOMPATIBILITIES

No known incompatibilities

### STANDARD PACKAGING

HDPE Food Grade Plastic - Bucket, Canister, Jerrican, F-Style Jug, Drum; Aluminum Screw-top Bottle, Glass Screw-top Bottle, Steel Drum

### SHELF LIFE

24 months after packaging

### STORAGE & HANDLING

Storage Container : Store in original, tightly closed containers under dry conditions at ambient temperature. Do not freeze. Limit exposure to light.

Temperature: Keep at temperatures between 10°C to 23°C.

Once cannabinoids are exposed to air, they may oxidize and darken in color.

### ALLERGEN STATEMENT

Does not contain beef, buckwheat, celery, cereals with gluten, chicken, crustacean shellfish, egg, fish, lupin, mango, milk, molluscan shellfish, mustard, peach, peanut, pork, royal jelly, sesame, soy, tree nuts, tomato, or wheat.

### FOOD AND DRUG ADMINISTRATION DISCLOSURE

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

### WARNING STATEMENT

Not recommended for children, pregnant, or nursing women. If taking medication, consult a physician before use. Keep out of the reach of children.

### CALIFORNIA PROPOSITION 65

May contain exposures to delta-9- Tetrahydrocannabinol (Δ9 THC) which is known to the State of California to cause birth defects or other reproductive harm. KND Labs tests for Δ9 THC and though its presence may not be detected or may be minimal, a warning is required because limitations of exposure are not defined.

## 2. Specifications - General Information

### APPEARANCE

Light to amber gold oil

### FLAVOR

Natural terpene flavor, earthy

### ODOR

Natural terpene odor, earthy

### CONSISTENCY

Distillate oil. May be partially or fully crystallized. Must heat to homogenize prior to mixing

### SOLUBILITY

Oil

### COMPOSITION

100% Hemp extract by weight

### PLANT PARTS USED IN OIL

Stalk, stem, flower

**Know your CBD Source. Buy Direct from the Manufacturer.**



## Technical Specifications

**Product Name: FULL SPECTRUM RAW DISTILLATE**

**≥ 40% CBD | ≤ 5.0% THC**

### 3. Composition/Ingredient Information

#### APPROVED TESTING LABS

The following third party labs have been approved to test KND products based on a track record of quality and regulatory compliance:

- Botanacor dba SC Labs
- DB Labs
- Eurofins

If the listed labs are not used for the finished product, KND recommends that the ingredient is tested at the desired non KND approved lab to calibrate the finished product results.

NOTE:

<sup>1</sup> Unfinished hemp products are only required to test for potency per 6 CCR 1010-21.7 (F) *Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations*. All other contaminants are not required for compliance testing. Additional testing may be arranged. Please contact a KND representative. For more information, visit <https://cdphe.colorado.gov/hemp-food>.

| CANNABINOID CONTENT | %          | METHOD(S)                         |
|---------------------|------------|-----------------------------------|
| CBD                 | ≥ 40       | HPLC applications<br>LCMS<br>LCUV |
| THC                 | ≤ 5.0      |                                   |
| CBDA                | Reportable |                                   |
| CBDV                | Reportable |                                   |
| CBN                 | Reportable |                                   |
| CBG                 | Reportable |                                   |

| CANNABIDIOL INFORMATION  |                                                |
|--------------------------|------------------------------------------------|
| INCI Name                | Cannabidiol                                    |
| CAS-No                   | 13956-29-1                                     |
| Molecular Weight (g/mol) | 314.46                                         |
| Chemical Formula         | C <sub>21</sub> H <sub>30</sub> O <sub>2</sub> |

| OTHER             | LIMIT                 | METHOD(S)                                                    |
|-------------------|-----------------------|--------------------------------------------------------------|
| HEAVY METALS      | See Note <sup>1</sup> | ICP-MS ; MS-MS                                               |
| PESTICIDES        | See Note <sup>1</sup> | GC applications;<br>HPLC applications ;<br>LCMS applications |
| MICROBIOLOGICAL   | See Note <sup>1</sup> | Microarray ; PCR ;<br>qPCR ; Petrifilm ;<br>VIDAS            |
| RESIDUAL SOLVENTS | See Note <sup>1</sup> | GC applications                                              |

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