Overall Status: Pass

1 of 5

## Koi CBD Natural 500mg

Sample ID: 2106NIVA1012.3311 Strain: Natural 500mg Matrix: Ingestible Type: Tincture

Sample Size: ; Batch Size:

Produced: Collected: 06/25/2021 Received: 06/25/2021 Completed: 06/29/2021 Batch#: 1983BB0623

Client Koi CBD Lic.# 14631 Best Ave Norwalk, CA 90650



**Pass** Foreign Matter

**Pass** Microbials

**Pass Heavy Metals** 

**Pass** Solvents **Not Tested** Moisture

**Pass** 0.39 aw Water Activity

**Pass** Mycotoxins

**Pass** 

Pesticides

Cannabinoids (SOP.TS.4.100 HPLC Analysis)

ND ND **Total THC**  18.028 mg/serving 18.028 mg/mL **Total CBD** 

20.265 mg/serving 20.265 mg/mL **Total Cannabinoids** 

Moisture

NT

| Analyte   | LOD    | LOQ    | Mass   | Mass   | Mass   | Mass                         |  |
|-----------|--------|--------|--|--|--|------------------------------|--|
| raidiyee  | mg/g   | mg/g   | mg/mL  | %  | mg/serving   | mg/package                   |  |
| CBD       | 0.0030 | 0.0100 | 18.028   | 1.84   | 18.03  | 540.84                       |  |
| CBG       | 0.0030 | 0.0100 | 1.079  | 0.11   | 1.08   | 32.37                        |  |
| CBC       | 0.0030 | 0.0100 | 0.579  | 0.06   | 0.58   | 17.38                        |  |
| CBN       | 0.0030 | 0.0100 | 0.411  | 0.04   | 0.41   | 12.32                        |  |
| CBDV      | 0.0030 | 0.0100 | 0.169  | 0.02   | 0.17   | 5.06                         |  |
| CBDa      | 0.0030 | 0.0100 | ND   | ND   | ND   | ND                           |  |
| CBGa      | 0.0030 | 0.0100 | ND   | ND   | ND   | ND                           |  |
| THCa      | 0.0030 | 0.0100 | ND   | ND   | ND   | ND                           |  |
| THCV      | 0.0030 | 0.0100 | ND   | ND   | ND   | ND                           |  |
| Δ8-THC    | 0.0030 | 0.0100 | ND   | ND   | ND   | ND                           |  |
| Δ9-THC    | 0.0030 | 0.0100 | ND   | ND   | ND   | ND                           |  |
| Total THC |        |        | <loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td></td></loq<></td></loq<></td></loq<></td></loq<> | <loq< td=""><td><loq< td=""><td><loq< td=""><td></td></loq<></td></loq<></td></loq<> | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> |  |
| Total CBD |        |        | 18.028   | 1.840  | 18.028   | 540.842                      |  |
| Total     |        |        | 20.265   | 2.0679   | 20.265   | 607.963                      |  |

Density: 0.980g per 1 mL

Cannabinoids Date Tested: 06/28/2021

Total THC = (THCa x 0.877) + Δ9-THC; Total CBD = (CBDa x 0.877) + CBD; LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Cured plant material reported as moisture-corrected % dry weight, other sample types reported "as is." Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 1260 HPLC.

Water Activity Analytical Instrumentation: Rotronic HCW HC2-AW-USB Water Activity Meter. Water Activity Analysis Date:; Water Activity Date Tested: 06/26/2021

: Moisture Date Tested:

Foreign Material Analytical Instrumentation: Illuminated Magnifying Lens. Foreign Material Analysis Date:; Foreign Matter Date Tested: 06/26/2021









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Overall Status: Pass

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# Koi CBD Natural 500mg

Sample ID: 2106NIVA1012.3311 Strain: Natural 500mg Matrix: Ingestible

Type: Tincture Sample Size: ; Batch Size: Produced: Collected: 06/25/2021 Received: 06/25/2021 Completed: 06/29/2021 Batch#: 1983BB0623

Client Koi CBD Lic.#

14631 Best Ave Norwalk, CA 90650

| Microbials                    |                    | Pass   |
|-------------------------------|--------------------|--------|
| Analyte                       | Result             | Status |
| Aspergillus flavus            | NR                 | NT     |
| Aspergillus fumigatus         | NR                 | NT     |
| Aspergillus niger             | NR                 | NT     |
| Aspergillus terreus           | NR                 | NT     |
| Shiga toxin-producing E. Coli | Not Detected in 1g | Pass   |
| Salmonella SPP                | Not Detected in 1g | Pass   |

Date Tested: 06/28/2021

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested;
Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: PathogenDx (PCR)

Mycotoxins **Pass** 

| Analyte          | LOD   | LOQ   | Limit | Units | Status |
|------------------|-------|-------|-------|-------|--------|
|                  | μg/kg | µg/kg | µg/kg | μg/kg |        |
| B1               | 4.00  | 5.00  |       | ND    | Tested |
| B2               | 4.00  | 5.00  |       | ND    | Tested |
| G1               | 4.00  | 5.00  |       | ND    | Tested |
| G2               | 4.00  | 5.00  |       | ND    | Tested |
| Total Aflatoxins |       |       | 20    | ND    | Pass   |
| Ochratoxin A     | 16    | 20    | 20    | ND    | Pass   |

Date Tested: 06/28/2021 LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested;

Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 6470A LC-MS

Heavy Metals **Pass** 

| Analyte | LOD   | LOQ   | Limit | Units | Status |
|---------|-------|-------|-------|-------|--------|
|         | μg/g  | μg/g  | µg/g  | μg/g  |        |
| Arsenic | 0.009 | 0.090 | 1.5   | ND    | Pass   |
| Cadmium | 0.009 | 0.090 | 0.5   | ND    | Pass   |
| Lead    | 0.009 | 0.090 | 0.5   | ND    | Pass   |
| Mercury | 0.005 | 0.020 | 3     | ND    | Pass   |

Date Tested: 06/28/2021

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 7900 ICP-MS







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3 of 5
Overall Status: Pass

### Koi CBD Natural 500mg

Sample ID: 2106NIVA1012.3311 Strain: Natural 500mg Matrix: Ingestible Type: Tincture

Sample Size: ; Batch Size:

Produced: Collected: 06/25/2021 Received: 06/25/2021 Completed: 06/29/2021 Batch#: 1983BB0623 Client Koi CBD Lic. #

14631 Best Ave Norwalk, CA 90650

Pesticides Pass

| Analyte             | LOD   | LOQ   | Limit | Mass | Status | Analyte                 | LOD   | LOQ   | Limit | Mass | Status |
|---------------------|-------|-------|-------|------|--------|-------------------------|-------|-------|-------|------|--------|
|                     | µg/g  | µg/g  | µg/g  | μg/g |        |                         | µg/g  | µg/g  | µg/g  | μg/g |        |
| Abamectin           | 0.040 | 0.050 | 0.3   | ND   | Pass   | Fludioxonil             | 0.040 | 0.050 | 30    | ND   | Pass   |
| Acephate            | 0.050 | 0.100 | 5     | ND   | Pass   | Hexythiazox             | 0.010 | 0.020 | 2     | ND   | Pass   |
| Acequinocyl         | 0.040 | 0.050 | 4     | ND   | Pass   | Imazalil                | 0.040 | 0.050 | 0.04  | ND   | Pass   |
| Acetamiprid         | 0.010 | 0.020 | 5     | ND   | Pass   | Imidacloprid            | 0.010 | 0.020 | 3     | ND   | Pass   |
| Aldicarb            | 0.010 | 0.020 | 0.01  | ND   | Pass   | Kresoxim Methyl         | 0.020 | 0.050 | 1     | ND   | Pass   |
| Azoxystrobin        | 0.010 | 0.020 | 40    | ND   | Pass   | Malathion               | 0.010 | 0.020 | 5     | ND   | Pass   |
| Bifenazate          | 0.010 | 0.020 | 5     | ND   | Pass   | Metalaxyl               | 0.010 | 0.020 | 15    | ND   | Pass   |
| Bifenthrin          | 0.010 | 0.020 | 0.5   | ND   | Pass   | Methiocarb              | 0.010 | 0.020 | 0.01  | ND   | Pass   |
| Boscalid            | 0.040 | 0.050 | 10    | ND   | Pass   | Methomyl                | 0.010 | 0.020 | 0.1   | ND   | Pass   |
| Captan              | 0.100 | 0.100 | 5     | ND   | Pass   | Mevinphos               | 0.018 | 0.045 | 0.018 | ND   | Pass   |
| Carbaryl            | 0.020 | 0.050 | 0.5   | ND   | Pass   | Myclobutanil            | 0.040 | 0.050 | 9     | ND   | Pass   |
| Carbofuran          | 0.010 | 0.020 | 0.01  | ND   | Pass   | Naled                   | 0.040 | 0.050 | 0.5   | ND   | Pass   |
| Chlorantraniliprole | 0.040 | 0.050 | 40    | ND   | Pass   | Oxamyl                  | 0.010 | 0.020 | 0.2   | ND   | Pass   |
| Chlordane           | 0.030 | 0.050 | 0.03  | ND   | Pass   | Paclobutrazol           | 0.040 | 0.050 | 0.04  | ND   | Pass   |
| Chlorfenapyr        | 0.030 | 0.050 | 0.03  | ND   | Pass   | Parathion Methyl        | 0.030 | 0.050 | 0.03  | ND   | Pass   |
| Chlorpyrifos        | 0.020 | 0.050 | 0.020 | ND   | Pass   | Pentachloronitrobenzene | 0.030 | 0.050 | 0.2   | ND   | Pass   |
| Clofentezine        | 0.010 | 0.020 | 0.5   | ND   | Pass   | Permethrin              | 0.020 | 0.050 | 20    | ND   | Pass   |
| Coumaphos           | 0.050 | 0.100 | 0.05  | ND   | Pass   | Phosmet                 | 0.010 | 0.020 | 0.2   | ND   | Pass   |
| Cyfluthrin          | 0.050 | 0.100 | 1     | ND   | Pass   | Piperonyl Butoxide      | 0.010 | 0.020 | 8     | ND   | Pass   |
| Cypermethrin        | 0.050 | 0.100 | 1     | ND   | Pass   | Prallethrin             | 0.040 | 0.050 | 0.4   | ND   | Pass   |
| Daminozide          | 0.040 | 0.050 | 0.04  | ND   | Pass   | Propiconazole           | 0.040 | 0.050 | 20    | ND   | Pass   |
| Diazinon            | 0.010 | 0.020 | 0.2   | ND   | Pass   | Propoxur                | 0.010 | 0.020 | 0.01  | ND   | Pass   |
| Dichlorvos          | 0.050 | 0.100 | 0.05  | ND   | Pass   | Pyrethrins              | 0.042 | 0.084 | 1     | ND   | Pass   |
| Dimethoate          | 0.010 | 0.020 | 0.01  | ND   | Pass   | Pyridaben               | 0.030 | 0.050 | 3     | ND   | Pass   |
| Dimethomorph        | 0.020 | 0.050 | 20    | ND   | Pass   | Spinetoram              | 0.041 | 0.061 | 3     | ND   | Pass   |
| Ethoprophos         | 0.010 | 0.020 | 0.01  | ND   | Pass   | Spinosad                | 0.019 | 0.048 | 3     | ND   | Pass   |
| Etofenprox          | 0.010 | 0.020 | 0.01  | ND   | Pass   | Spiromesifen            | 0.010 | 0.020 | 12    | ND   | Pass   |
| Etoxazole           | 0.010 | 0.020 | 1.5   | ND   | Pass   | Spirotetramat           | 0.020 | 0.050 | 13    | ND   | Pass   |
| Fenhexamid          | 0.040 | 0.050 | 10    | ND   | Pass   | Spiroxamine             | 0.010 | 0.020 | 0.01  | ND   | Pass   |
| Fenoxycarb          | 0.010 | 0.020 | 0.01  | ND   | Pass   | Tebuconazole            | 0.050 | 0.100 | 2     | ND   | Pass   |
| Fenpyroximate       | 0.010 | 0.020 | 2     | ND   | Pass   | Thiacloprid             | 0.010 | 0.020 | 0.01  | ND   | Pass   |
| Fipronil            | 0.040 | 0.050 | 0.04  | ND   | Pass   | Thiamethoxam            | 0.010 | 0.020 | 4.5   | ND   | Pass   |
| Flonicamid          | 0.010 | 0.020 | 2     | ND   | Pass   | Trifloxystrobin         | 0.010 | 0.020 | 30    | ND   | Pass   |

Date Tested: 06/29/2021 LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 6470A LC-MS; Agilent 7010B GC-MS







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**Overall Status: Pass** 

### Koi CBD Natural 500mg

Sample ID: 2106NIVA1012.3311 Strain: Natural 500mg Matrix: Ingestible Type: Tincture

Sample Size: ; Batch Size:

Produced: Collected: 06/25/2021 Received: 06/25/2021 Completed: 06/29/2021 Batch#: 1983BB0623 Client Koi CBD Lic.#

14631 Best Ave Norwalk, CA 90650

#### **Residual Solvents**

| Analyte            | LOD  | LOQ  | Limit | Mass | Status |
|--------------------|------|------|-------|------|--------|
|                    | µg/g | µg/g | µg/g  | μg/g | Pass   |
| 1,2-Dichloroethane | 0.25 | 0.50 | 1.0   | ND   | Pass   |
| Acetone            | 5.0  | 10   | 5000  | ND   | Pass   |
| Acetonitrile       | 5.0  | 10   | 410   | ND   | Pass   |
| Benzene            | 0.25 | 0.50 | 1.0   | ND   | Pass   |
| Butane             | 5.0  | 10   | 5000  | ND   | Pass   |
| Chloroform         | 0.25 | 0.50 | 1.0   | ND   | Pass   |
| Ethanol            | 5.0  | 10   | 5000  | ND   | Pass   |
| Ethyl-Acetate      | 5.0  | 10   | 5000  | ND   | Pass   |
| Ethyl-Ether        | 5.0  | 10   | 5000  | ND   | Pass   |
| Ethylene Oxide     | 0.50 | 1.0  | 1.0   | ND   | Pass   |
| Heptane            | 5.0  | 10   | 5000  | ND   | Pass   |
| Isopropanol        | 5.0  | 10   | 5000  | ND   | Pass   |
| Methanol           | 5.0  | 10   | 3000  | ND   | Pass   |
| Methylene Chloride | 0.25 | 0.50 | 1.0   | ND   | Pass   |
| n-Hexane           | 5.0  | 10   | 290   | ND   | Pass   |
| Pentane            | 5.0  | 10   | 5000  | ND   | Pass   |
| Propane            | 5.0  | 10   | 5000  | ND   | Pass   |
| Toluene            | 5.0  | 10   | 890   | ND   | Pass   |
| Trichloroethene    | 0.25 | 0.50 | 1.0   | ND   | Pass   |
| Xylenes            | 5.0  | 10   | 2170  | ND   | Pass   |



Date Tested: 06/28/2021 LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 5977B GC-MS-FID







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**Overall Status: Pass** 

### Koi CBD Natural 500mg

Sample ID: 2106NIVA1012.3311 Strain: Natural 500mg Matrix: Ingestible

Type: Tincture Sample Size: ; Batch Size: Produced: Collected: 06/25/2021 Received: 06/25/2021 Completed: 06/29/2021 Batch#: 1983BB0623

Client Koi CBD Lic.#

14631 Best Ave Norwalk, CA 90650

### **Terpenes**

| Analyte             | LOD  | LOQ  | Mass | Mass |
|---------------------|------|------|------|------|
|                     | mg/g | mg/g | mg/g | %    |
| α-Bisabolol         | 0.03 | 0.10 | ND   | ND   |
| α-Humulene          | 0.03 | 0.10 | ND   | ND   |
| α-Pinene            | 0.03 | 0.10 | ND   | ND   |
| α-Terpinene         | 0.03 | 0.10 | ND   | ND   |
| β-Caryophyllene     | 0.03 | 0.10 | ND   | ND   |
| β-Myrcene           | 0.03 | 0.10 | ND   | ND   |
| β-Pinene            | 0.03 | 0.10 | ND   | ND   |
| Camphene            | 0.03 | 0.10 | ND   | ND   |
| Caryophyllene Oxide | 0.03 | 0.10 | ND   | ND   |
| cis-Nerolidol       | 0.03 | 0.10 | ND   | ND   |
| δ-3-Carene          | 0.03 | 0.10 | ND   | ND   |
| δ-Limonene          | 0.03 | 0.10 | ND   | ND   |
| Eucalyptol          | 0.03 | 0.10 | ND   | ND   |
| y-Terpinene         | 0.03 | 0.10 | ND   | ND   |
| Guaiol              | 0.03 | 0.10 | ND   | ND   |
| Isopulegol          | 0.03 | 0.10 | ND   | ND   |
| Linalool            | 0.03 | 0.10 | ND   | ND   |
| Ocimene             | 0.03 | 0.10 | ND   | ND   |
| p-Cymene            | 0.03 | 0.10 | ND   | ND   |
| Terpinolene         | 0.03 | 0.10 | ND   | ND   |
| trans-Nerolidol     | 0.03 | 0.10 | ND   | ND   |
| Total               |      |      | 0.00 | 0    |

# **Primary Aromas**



Date Tested: 06/29/2021

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Unless otherwise stated, all quality control samples performed within specications established by the Laboratory. Analytical Instrumentation: Agilent 5977B HS-GC-MS; SOP.TS.4.200" This terpenes method has not yet been evaluated for ISO/IEC 17025 accreditation.







Noah Kaplan Lab Director

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