

The Niva Labs 13171 Telfair Ave Sylmar, CA 91342 (213) 225-6482 thenivalabs.com/ Lic# C8-0000024-LIC **QA** Testing

1 of 5

**Overall Status: Pass** 

Sample ID: 2012NIVA0518.1476 Strain: Orange 2000mg Matrix: Ingestible Type: Tincture Sample Size: ; Batch Size:

Produced: Collected: Received: 12/23/2020 Completed: 12/31/2020 Batch#: 1706BB1222 Client Koi CBD Lic. # 14631 Best Ave Norwalk, CA 90650

| Pass<br>Foreign Matter<br>SOPTS.4.001         | Pass<br>Heavy Metals                  | Not Tested<br>Moisture                          | Pass<br>Pesticides<br>SOPTS.4.301 GC-MS/MS<br>SOPTS.4.300 LC-MS/MS |  |
|-----------------------------------------------|---------------------------------------|-------------------------------------------------|--------------------------------------------------------------------|--|
| Pass<br>Microbials<br>SOP.TS.4.600 PathogenDx | Pass<br>Solvents<br>SOPTS.4.400 GC-MS | Pass<br>0.07 aw<br>Water Activity<br>SORTS.4003 | Pass<br>Mycotoxins<br>SORTS.4.300 LC-MS/MS                         |  |

# Cannabinoids (SOPTS.4.100 HPLC Analysis)

|           | ND<br>ND<br>Total THC | 69.82  | <b>mg/serving</b><br>20 <i>mg/mL</i><br>cal CBD | <b>86.095 mg/serving</b><br>77.585 mg/mL<br>Total Cannabinoids |            |            | <b>NT</b><br>Moisture |
|-----------|-----------------------|--------|-------------------------------------------------|----------------------------------------------------------------|------------|------------|-----------------------|
| A         | LOD                   |        | Mass                                            |                                                                |            |            | Moistare              |
| Analyte   |                       | LOQ    |                                                 | Mass                                                           | Mass       | Mass       |                       |
| 000       | mg/g                  | mg/g   | mg/mL                                           | %                                                              | mg/serving | mg/package |                       |
| CBD       | 0.0030                | 0.0100 | 69.820                                          | 7.46                                                           | 77.48      | 2324.33    |                       |
| CBG       | 0.0030                | 0.0100 | 4.004                                           | 0.43                                                           | 4.44       | 133.30     |                       |
| CBC       | 0.0030                | 0.0100 | 1.933                                           | 0.21                                                           | 2.15       | 64.35      |                       |
| CBN       | 0.0030                | 0.0100 | 1.367                                           | 0.15                                                           | 1.52       | 45.52      |                       |
| CBDV      | 0.0030                | 0.0100 | 0.461                                           | 0.05                                                           | 0.51       | 15.33      |                       |
| 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         |                       |
| ∆8-THC    | 0.0030                | 0.0100 | ND                                              | ND                                                             | ND         | ND         |                       |
| Δ9-THC    | 0.0030                | 0.0100 | ND                                              | ND                                                             | ND         | ND         |                       |
| Total THC |                       |        | ND                                              | ND                                                             | ND         | ND         |                       |
| Total CBD |                       |        | 69.820                                          | 7.459                                                          | 77.478     | 2324.334   |                       |
| Total     |                       |        | 07.020                                          | 8.2890                                                         | 86.095     | 2582.836   |                       |

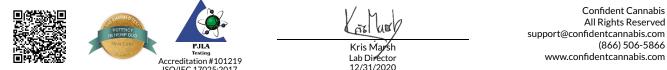
Density: 0.936g per 1 mL

Cannabinoids Date Tested: 12/24/2020

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:

Foreign Material Analytical Instrumentation: Illuminated Magnifying Lens. Foreign Material Analysis Date:





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 Accreditation # 101219
 12/31/2020

 ISO/IEC 17025:2017
 12/31/2020

 Attest all LQC samples performed and met in accordance with 16 CCR sec. 5730. This product has been tested by Niva Labs using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Niva Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Niva Labs. Please contact The Niva Labs for information about measurement uncertainty. Please contact The Niva Labs for information about measurement uncertainty.



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### **Overall Status: Pass**

| Sample ID: 2012NIVA0518.1476 |
|------------------------------|
| Strain: Orange 2000mg        |
| Matrix: Ingestible           |
| Type: Tincture               |
| Sample Size: ; Batch Size:   |

#### Produced: Collected: Received: 12/23/2020 Completed: 12/31/2020 Batch#: 1706BB1222

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

# **Microbials**

Pass

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

Date Tested: 12/29/2020 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 |       |       | 20.00 | ND    | Pass   |
| Ochratoxin A     | 16    | 20    | 20.00 | ND    | Pass   |

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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 | 1.500 | ND    | Pass   |
| Cadmium      | 0.009 | 0.090 | 0.500 | ND    | Pass   |
| Lead         | 0.009 | 0.090 | 0.500 | ND    | Pass   |
| Mercury      | 0.005 | 0.020 | 3.000 | ND    | Pass   |

Date Tested: 12/29/2020

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# Kris Marsh Lab Director

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Pass

#### **Overall Status: Pass**

Sample ID: 2012NIVA0518.1476 Strain: Orange 2000mg Matrix: Ingestible Type: Tincture Sample Size: ; Batch Size:

Produced: Collected: Received: 12/23/2020 Completed: 12/31/2020 Batch#: 1706BB1222

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

#### Pesticides

| 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 | 0.30  | ND   | Pass   | Fludioxonil             | 0.040 | 0.050 | 30.00 | ND   | Pass   |
| Acephate            | 0.050 | 0.100 | 5.00  | ND   | Pass   | Hexythiazox             | 0.010 | 0.020 | 2.00  | ND   | Pass   |
| Acequinocyl         | 0.040 | 0.050 | 4.00  | ND   | Pass   | Imazalil                | 0.040 | 0.050 | 0.04  | ND   | Pass   |
| Acetamiprid         | 0.010 | 0.020 | 5.00  | ND   | Pass   | Imidacloprid            | 0.010 | 0.020 | 3.00  | ND   | Pass   |
| Aldicarb            | 0.010 | 0.020 | 0.01  | ND   | Pass   | Kresoxim Methyl         | 0.020 | 0.050 | 1.00  | ND   | Pass   |
| Azoxystrobin        | 0.010 | 0.020 | 40.00 | ND   | Pass   | Malathion               | 0.010 | 0.020 | 5.00  | ND   | Pass   |
| Bifenazate          | 0.010 | 0.020 | 5.00  | ND   | Pass   | Metalaxyl               | 0.010 | 0.020 | 15.00 | ND   | Pass   |
| Bifenthrin          | 0.010 | 0.020 | 0.50  | ND   | Pass   | Methiocarb              | 0.010 | 0.020 | 0.01  | ND   | Pass   |
| Boscalid            | 0.040 | 0.050 | 10.00 | ND   | Pass   | Methomyl                | 0.010 | 0.020 | 0.10  | ND   | Pass   |
| Captan              | 0.100 | 0.100 | 5.00  | ND   | Pass   | Mevinphos               | 0.018 | 0.045 | 0.02  | ND   | Pass   |
| Carbaryl            | 0.020 | 0.050 | 0.50  | ND   | Pass   | Myclobutanil            | 0.040 | 0.050 | 9.00  | ND   | Pass   |
| Carbofuran          | 0.010 | 0.020 | 0.01  | ND   | Pass   | Naled                   | 0.040 | 0.050 | 0.50  | ND   | Pass   |
| Chlorantraniliprole | 0.040 | 0.050 | 40.00 | ND   | Pass   | Oxamyl                  | 0.010 | 0.020 | 0.20  | 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 | 0.02  | ND   | Pass   | Pentachloronitrobenzene | 0.030 | 0.050 | 0.20  | ND   | Pass   |
| Clofentezine        | 0.010 | 0.020 | 0.50  | ND   | Pass   | Permethrin              | 0.020 | 0.050 | 20.00 | ND   | Pass   |
| Coumaphos           | 0.050 | 0.100 | 0.05  | ND   | Pass   | Phosmet                 | 0.010 | 0.020 | 0.20  | ND   | Pass   |
| Cyfluthrin          | 0.050 | 0.100 | 1.00  | ND   | Pass   | Piperonyl Butoxide      | 0.010 | 0.020 | 8.00  | ND   | Pass   |
| Cypermethrin        | 0.050 | 0.100 | 1.00  | ND   | Pass   | Prallethrin             | 0.040 | 0.050 | 0.40  | ND   | Pass   |
| Daminozide          | 0.040 | 0.050 | 0.04  | ND   | Pass   | Propiconazole           | 0.040 | 0.050 | 20.00 | ND   | Pass   |
| Diazinon            | 0.010 | 0.020 | 0.20  | 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 | 1.00  | ND   | Pass   |
| Dimethoate          | 0.010 | 0.020 | 0.01  | ND   | Pass   | Pyridaben               | 0.030 | 0.050 | 3.00  | ND   | Pass   |
| Dimethomorph        | 0.020 | 0.050 | 20.00 | ND   | Pass   | Spinetoram              | 0.041 | 0.061 | 3.00  | ND   | Pass   |
| Ethoprophos         | 0.010 | 0.020 | 0.01  | ND   | Pass   | Spinosad                | 0.019 | 0.048 | 3.00  | ND   | Pass   |
| Etofenprox          | 0.010 | 0.020 | 0.01  | ND   | Pass   | Spiromesifen            | 0.010 | 0.020 | 12.00 | ND   | Pass   |
| Etoxazole           | 0.010 | 0.020 | 1.50  | ND   | Pass   | Spirotetramat           | 0.020 | 0.050 | 13.00 | ND   | Pass   |
| Fenhexamid          | 0.040 | 0.050 | 10.00 | 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 | 2.00  | ND   | Pass   |
| Fenpyroximate       | 0.010 | 0.020 | 2.00  | 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 | 4.50  | ND   | Pass   |
| Flonicamid          | 0.010 | 0.020 | 2.00  | ND   | Pass   | Trifloxystrobin         | 0.010 | 0.020 | 30.00 | ND   | Pass   |
|                     |       |       |       |      |        |                         |       |       |       |      |        |

Date Tested: 12/24/2020

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The Niva Labs 13171 Telfair Ave Sylmar, CA 91342

Orange 2000mg

Sample ID: 2012NIVA0518.1476 Strain: Orange 2000mg Matrix: Ingestible Type: Tincture Sample Size: ; Batch Size:

Lic# C8-0000024-LIC

**QA** Testing

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#### **Overall Status: Pass**

Produced: Client Koi CBD Collected: Received: 12/23/2020 Lic.# Completed: 12/31/2020 14631 Best Ave Batch#: 1706BB1222 Norwalk, CA 90650

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## **Residual Solvents**

| Analyte            | LOD  | LOQ  | Limit    | Mass | Status |
|--------------------|------|------|----------|------|--------|
|                    | µg/g | µg/g | µg/g     | µg/g | Pass   |
| 1,2-Dichloroethane | 0.25 | 0.50 | 1.000    | ND   | Pass   |
| Acetone            | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Acetonitrile       | 5.0  | 10   | 410.000  | ND   | Pass   |
| Benzene            | 0.25 | 0.50 | 1.000    | ND   | Pass   |
| Butane             | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Chloroform         | 0.25 | 0.50 | 1.000    | ND   | Pass   |
| Ethanol            | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Ethyl-Acetate      | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Ethyl-Ether        | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Ethylene Oxide     | 0.50 | 1.0  | 1.000    | ND   | Pass   |
| Heptane            | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Isopropanol        | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Methanol           | 5.0  | 10   | 3000.000 | ND   | Pass   |
| Methylene Chloride | 0.25 | 0.50 | 1.000    | ND   | Pass   |
| n-Hexane           | 5.0  | 10   | 290.000  | ND   | Pass   |
| Pentane            | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Propane            | 5.0  | 10   | 5000.000 | ND   | Pass   |
| Toluene            | 5.0  | 10   | 890.000  | ND   | Pass   |
| Trichloroethene    | 0.25 | 0.50 | 1.000    | ND   | Pass   |
| Xylenes            | 5.0  | 10   | 2170.000 | ND   | Pass   |

Date Tested: 12/28/2020 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**

Sample ID: 2012NIVA0518.1476 Strain: Orange 2000mg Matrix: Ingestible Type: Tincture Sample Size: ; Batch Size:

Produced: Collected: Received: 12/23/2020 Completed: 12/31/2020 Batch#: 1706BB1222

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

Client

#### Terpenes

| Analyte             | LOD  | LOQ  | Mass | Mass  |  |
|---------------------|------|------|------|-------|--|
|                     | mg/g | mg/g | mg/g | %     |  |
| δ-Limonene          | 0.03 | 0.10 | 0.71 | 0.071 |  |
| α-Bisabolol         | 0.03 | 0.10 | 0.19 | 0.019 |  |
| 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    |  |
| 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               |      |      | 0.90 | 0.090 |  |

# **Primary Aromas**





Date Tested: 12/24/2020

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