

# Spearmint 500mg

Overall Status: Pass

Sample ID: 2012NIVA0514.1460  
Strain: Spearmint 500mg  
Matrix: Ingestible  
Type: Tincture  
Sample Size: ; Batch Size:

Produced:  
Collected:  
Received: 12/21/2020  
Completed: 12/28/2020  
Batch#: 1675BB1222

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

|  |                                                                    |                                                                  |                                                                        |                                                                                           |
|--|--------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|  | <b>Pass</b><br>Foreign Matter<br><small>SOPTS.4.001</small>        | <b>Pass</b><br>Heavy Metals<br><small>SOPTS.4.500 ICP-MS</small> | <b>Not Tested</b><br>Moisture<br><small>SOPTS.4.001</small>            | <b>Pass</b><br>Pesticides<br><small>SOPTS.4.301 GC-MS/MS<br/>SOPTS.4.300 LC-MS/MS</small> |
|  | <b>Pass</b><br>Microbials<br><small>SOPTS.4.600 PathogenDx</small> | <b>Pass</b><br>Solvents<br><small>SOPTS.4.400 GC-MS</small>      | <b>Pass</b><br>0.18 aw<br>Water Activity<br><small>SOPTS.4.003</small> | <b>Pass</b><br>Mycotoxins<br><small>SOPTS.4.300 LC-MS/MS</small>                          |

## Cannabinoids (SOPTS.4.100 HPLC Analysis)

|                              |                                            |                                                     |                       |
|------------------------------|--------------------------------------------|-----------------------------------------------------|-----------------------|
| <b>ND</b><br>ND<br>Total THC | <b>1.902%</b><br>19.763 mg/mL<br>Total CBD | <b>2.112%</b><br>21.946 mg/mL<br>Total Cannabinoids | <b>NT</b><br>Moisture |
|------------------------------|--------------------------------------------|-----------------------------------------------------|-----------------------|

| Analyte          | LOD<br>mg/g | LOQ<br>mg/g | Mass<br>mg/mL | Mass<br>%     | Mass<br>mg/serving | Mass<br>mg/package |
|------------------|-------------|-------------|---------------|---------------|--------------------|--------------------|
| CBD              | 0.0030      | 0.0100      | 19.763        | 1.90          | 19.77              | 593.14             |
| CBG              | 0.0030      | 0.0100      | 1.148         | 0.11          | 1.15               | 34.46              |
| CBC              | 0.0030      | 0.0100      | 0.529         | 0.05          | 0.53               | 15.87              |
| CBN              | 0.0030      | 0.0100      | 0.371         | 0.04          | 0.37               | 11.13              |
| CBDV             | 0.0030      | 0.0100      | 0.135         | 0.01          | 0.14               | 4.05               |
| 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                 |
| <b>Total THC</b> |             |             | <b>ND</b>     | <b>ND</b>     | <b>ND</b>          | <b>ND</b>          |
| <b>Total CBD</b> |             |             | <b>19.763</b> | <b>1.902</b>  | <b>19.771</b>      | <b>593.136</b>     |
| <b>Total</b>     |             |             |               | <b>2.1122</b> | <b>21.955</b>      | <b>658.652</b>     |

Density: 1.039g per 1 mL

Cannabinoids Date Tested: 12/22/2020

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:



Accreditation #101219  
ISO/IEC 17025:2017

*Kris Marsh*  
Kris Marsh  
Lab Director  
12/28/2020

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The Niva Labs  
13171 Telfair Ave  
Sylmar, CA 91342

(213) 225-6482  
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Lic# C8-0000024-LIC

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## 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: 12/23/2020

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Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: PathogenDx (PCR)

## Mycotoxins

Pass

| Analyte          | LOD<br>µg/kg | LOQ<br>µg/kg | Limit<br>µg/kg | Units<br>µg/kg | Status |
|------------------|--------------|--------------|----------------|----------------|--------|
| 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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## Heavy Metals

Pass

| Analyte | LOD<br>µg/g | LOQ<br>µg/g | Limit<br>µg/g | Units<br>µg/g | Status |
|---------|-------------|-------------|---------------|---------------|--------|
| 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: 12/24/2020

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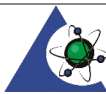
Client  
Koi CBD  
Lic. #  
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## Pesticides

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 | 0.30  | 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   | Pacllobutrazol          | 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   |
| Fonicamid           | 0.010 | 0.020 | 2.00  | ND   | Pass   | Trifloxystrobin         | 0.010 | 0.020 | 30.00 | ND   | Pass   |

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ISO/IEC 17025:2017

*Kris Marsh*

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Lab Director  
12/28/2020

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QA Testing

4 of 5

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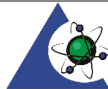
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## Residual Solvents

| Analyte            | LOD  | LOQ  | Limit    | Mass | Status |
|--------------------|------|------|----------|------|--------|
|                    | µg/g | µg/g | µg/g     | µg/g |        |
| 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   |

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## Terpenes

| Analyte             | LOD  | LOQ  | Mass        | Mass         |
|---------------------|------|------|-------------|--------------|
|                     | mg/g | mg/g | mg/g        | %            |
| δ-Limonene          | 0.03 | 0.10 | 4.42        | 0.442        |
| β-Pinene            | 0.03 | 0.10 | 0.30        | 0.030        |
| α-Pinene            | 0.03 | 0.10 | 0.27        | 0.027        |
| Eucalyptol          | 0.03 | 0.10 | 0.11        | 0.011        |
| α-Bisabolol         | 0.03 | 0.10 | <LOQ        | <LOQ         |
| α-Humulene          | 0.03 | 0.10 | ND          | ND           |
| α-Terpinene         | 0.03 | 0.10 | ND          | ND           |
| β-Caryophyllene     | 0.03 | 0.10 | <LOQ        | <LOQ         |
| β-Myrcene           | 0.03 | 0.10 | <LOQ        | <LOQ         |
| 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           |
| γ-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 | <LOQ        | <LOQ         |
| Terpinolene         | 0.03 | 0.10 | ND          | ND           |
| trans-Nerolidol     | 0.03 | 0.10 | ND          | ND           |
| <b>Total</b>        |      |      | <b>5.10</b> | <b>0.510</b> |

## Primary Aromas



Orange



Pine



Eucalyptus

Date Tested: 12/24/2020

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This terpenes method has not yet been evaluated for ISO/IEC 17025 accreditation.



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