



# Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20240328-016  
Sample: CA240328-006-015  
CBD Broad Spectrum Oil, 12,000mg Citrus, 60ml  
Strain: CBD Broad Spectrum Oil, 12,000mg Citrus, 60ml  
Category: Ingestible  
Type: Tincture

Neurogan, Inc.  
Lic. #  
8821 Production Avenue  
San Diego, CA 92121  
Lic. #

Batch#: DK23-2044  
Batch Size Collected:  
Total Batch Size:  
Collected: 05/08/2024; Received: 05/08/2024  
Completed: 05/08/2024

|  |              |                          |   |                      |
|--|--------------|--------------------------|---|----------------------|
| Moisture<br>NT<br>Water Activity<br>NT | Δ9-THC<br>ND | CBD<br>12,625.47 mg/unit | Total Cannabinoids<br>13,476.15 mg/unit | Total Terpenes<br>NT |
|--|--------------|--------------------------|---|----------------------|

| Summary           | SOP Used                                | Date Tested |          |
|-------------------|---|-------------|----------|
| Batch             |   |             | Pass     |
| Cannabinoids      | POT-PREP-004 High                       | 03/29/2024  | Complete |
| Residual Solvents | RS-PREP-001                             | 04/16/2024  | Pass     |
| Microbials        | MICRO-PREP-001                          | 04/17/2024  | Pass     |
| Mycotoxins        | PESTMICO-LC-PREP-001                    | 04/16/2024  | Pass     |
| Heavy Metals      | HM-PREP-001                             | 04/16/2024  | Pass     |
| Foreign Matter    | FM-PREP-001                             | 03/28/2024  | Pass     |
| Pesticides        | PESTMICO-LC-PREP-001 / PEST-GC-PREP-001 | 04/15/2024  | Pass     |



Scan to see results

## Cannabinoid Profile

1 Unit = bottle, 57.8 g. 1 mL = 0.97 g.

| Analyte | LOQ (mg/g) | LOD (mg/g) | %      | mg/g   | mg/mL  | mg/unit  | Analyte   | LOQ (mg/g) | LOD (mg/g) | %     | mg/g   | mg/mL  | mg/unit  |
|---------|------------|------------|--------|--------|--------|----------|-----------|------------|------------|-------|--------|--------|----------|
| THCa    | 0.1841     | 0.0614     | ND     | ND     | ND     | ND       | CBGa      | 0.2669     | 0.0890     | ND    | ND     | ND     | ND       |
| Δ9-THC  | 0.0794     | 0.0265     | ND     | ND     | ND     | ND       | CBG       | 0.0915     | 0.0305     | 0.072 | 0.72   | 0.70   | 41.73    |
| Δ8-THC  | 0.0824     | 0.0275     | ND     | ND     | ND     | ND       | CBN       | 0.1112     | 0.0371     | 0.451 | 4.51   | 4.37   | 260.39   |
| THCV    | 0.0714     | 0.0238     | ND     | ND     | ND     | ND       | Total THC |            |            | ND    | ND     | ND     | ND       |
| CBDa    | 0.0880     | 0.0293     | ND     | ND     | ND     | ND       | Total CBD |            |            | 21.84 | 218.43 | 211.88 | 12625.47 |
| CBD     | 0.0755     | 0.0252     | 21.843 | 218.43 | 211.88 | 12625.47 | Total     |            |            | 23.32 | 233.15 | 226.16 | 13476.15 |
| CBDV    | 0.0741     | 0.0247     | 0.237  | 2.37   | 2.30   | 136.75   |           |            |            |       |        |        |          |
| CBC     | 0.2221     | 0.0740     | 0.712  | 7.12   | 6.91   | 411.81   |           |            |            |       |        |        |          |

Total THC=THCa \* 0.877 + d9-THC + d8-THC + d8-THC; Total CBD = CBDa \* 0.877 + CBD. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005),Moisture:Moisture Analyzer(MOISTURE-001),Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

## Terpene Profile

| Analyte | LOQ (mg/g) | LOD (mg/g) | % | mg/g | Analyte | LOQ (mg/g) | LOD (mg/g) | % | mg/g |
|---------|------------|------------|---|------|---------|------------|------------|---|------|
|---------|------------|------------|---|------|---------|------------|------------|---|------|

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



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*Josh M Swider*  
Josh Swider  
Lab Director, Managing Partner  
05/08/2024

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC 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 Infinite Chemical Analysis, LLC.



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## Residual Solvent Analysis

| Category 1          | LOQ  | LOD   | Limit  | Status | Category 2 | LOQ           | LOD  | Limit  | Status | Category 2 | LOQ  | LOD         | Limit | Status |       |      |      |
|---------------------|------|-------|--------|--------|------------|---------------|------|--------|--------|------------|------|-------------|-------|--------|-------|------|------|
|                     | µg/g | µg/g  | µg/g   | µg/g   |            | µg/g          | µg/g | µg/g   | µg/g   |            | µg/g | µg/g        | µg/g  | µg/g   |       |      |      |
| 1,2-Dichloro-Ethane | ND   | 0.31  | 0.1032 | 1      | Pass       | Acetone       | ND   | 51.246 | 2.572  | 5000       | Pass | n-Hexane    | ND    | 0.931  | 0.31  | 290  | Pass |
| Benzene             | ND   | 0.088 | 0.023  | 1      | Pass       | Acetonitrile  | ND   | 0.798  | 0.266  | 410        | Pass | Isopropanol | ND    | 5.037  | 1.679 | 5000 | Pass |
| Chloroform          | ND   | 0.174 | 0.058  | 1      | Pass       | Butane        | ND   | 4.849  | 1.114  | 5000       | Pass | Methanol    | ND    | 4.665  | 1.555 | 3000 | Pass |
| Ethylene Oxide      | ND   | 0.757 | 0.252  | 1      | Pass       | Ethanol       | ND   | 40.542 | 13.513 | 5000       | Pass | Pentane     | ND    | 17.255 | 5.752 | 5000 | Pass |
| Methylene-Chloride  | ND   | 0.729 | 0.148  | 1      | Pass       | Ethyl-Acetate | ND   | 2.288  | 0.436  | 5000       | Pass | Propane     | ND    | 26.11  | 8.703 | 5000 | Pass |
| Trichloroethene     | ND   | 0.19  | 0.063  | 1      | Pass       | Ethyl-Ether   | ND   | 2.869  | 0.593  | 5000       | Pass | Toluene     | ND    | 0.864  | 0.136 | 890  | Pass |
|                     |      |       |        |        |            | Heptane       | ND   | 6.548  | 2.183  | 5000       | Pass | Xylenes     | ND    | 0.857  | 0.241 | 2170 | Pass |

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## Heavy Metal Screening

|         | LOQ  | LOD   | Limit | Status |      |
|---------|------|-------|-------|--------|------|
|         | µg/g | µg/g  | µg/g  | µg/g   |      |
| Arsenic | ND   | 0.009 | 0.003 | 1.5    | Pass |
| Cadmium | ND   | 0.002 | 0.001 | 0.5    | Pass |
| Lead    | ND   | 0.004 | 0.001 | 0.5    | Pass |
| Mercury | ND   | 0.014 | 0.005 | 1.5    | Pass |

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## Microbiological Screening

|                       | Limit | Result       | Status |
|-----------------------|-------|--------------|--------|
|                       | CFU/g | CFU/g        |        |
| Aspergillus flavus    |       | NR           | NT     |
| Aspergillus fumigatus |       | NR           | NT     |
| Aspergillus niger     |       | NR           | NT     |
| Aspergillus terreus   |       | NR           | NT     |
| STEC                  |       | Not Detected | Pass   |
| Salmonella SPP        |       | Not Detected | Pass   |

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



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## Chemical Residue Screening

| Category 1       | LOQ  | LOD   | Status | Mycotoxins | LOQ              | LOD   | Limit | Status |        |      |
|------------------|------|-------|--------|------------|------------------|-------|-------|--------|--------|------|
|                  | µg/g | µg/g  | µg/g   |            | µg/kg            | µg/kg | µg/kg | µg/kg  |        |      |
| Aldicarb         | ND   | 0.030 | 0.009  | Pass       | B1               | ND    | 6.2   | 2.05   | Tested |      |
| Carbofuran       | ND   | 0.030 | 0.002  | Pass       | B2               | ND    | 5     | 1.63   | Tested |      |
| Chlordane        | ND   | 0.075 | 0.025  | Pass       | G1               | ND    | 5.38  | 1.77   | Tested |      |
| Chlorfenapyr     | ND   | 0.075 | 0.025  | Pass       | G2               | ND    | 5     | 1.02   | Tested |      |
| Chlorpyrifos     | ND   | 0.030 | 0.008  | Pass       | Ochratoxin A     | ND    | 16.41 | 5.42   | 20     | Pass |
| Coumaphos        | ND   | 0.030 | 0.005  | Pass       | Total Aflatoxins | ND    |       |        | 20     | Pass |
| Daminozide       | ND   | 0.033 | 0.011  | Pass       |                  |       |       |        |        |      |
| Dichlorvos       | ND   | 0.030 | 0.007  | Pass       |                  |       |       |        |        |      |
| Dimethoate       | ND   | 0.030 | 0.007  | Pass       |                  |       |       |        |        |      |
| Ethoprophos      | ND   | 0.030 | 0.004  | Pass       |                  |       |       |        |        |      |
| Etofenprox       | ND   | 0.030 | 0.006  | Pass       |                  |       |       |        |        |      |
| Fenoxycarb       | ND   | 0.030 | 0.006  | Pass       |                  |       |       |        |        |      |
| Fipronil         | ND   | 0.030 | 0.008  | Pass       |                  |       |       |        |        |      |
| Imazalil         | ND   | 0.030 | 0.009  | Pass       |                  |       |       |        |        |      |
| Methiocarb       | ND   | 0.030 | 0.005  | Pass       |                  |       |       |        |        |      |
| Mevinphos        | ND   | 0.032 | 0.011  | Pass       |                  |       |       |        |        |      |
| Paclbutrazol     | ND   | 0.030 | 0.006  | Pass       |                  |       |       |        |        |      |
| Parathion Methyl | ND   | 0.024 | 0.008  | Pass       |                  |       |       |        |        |      |
| Propoxur         | ND   | 0.030 | 0.005  | Pass       |                  |       |       |        |        |      |
| Spiroxamine      | ND   | 0.030 | 0.003  | Pass       |                  |       |       |        |        |      |
| Thiacloprid      | ND   | 0.030 | 0.002  | Pass       |                  |       |       |        |        |      |

| Category 2          | LOQ  | LOD   | Limit | Status | Category 2 | LOQ                     | LOD  | Limit | Status |     |      |
|---------------------|------|-------|-------|--------|------------|-------------------------|------|-------|--------|-----|------|
|                     | µg/g | µg/g  | µg/g  | µg/g   |            | µg/g                    | µg/g | µg/g  | µg/g   |     |      |
| Abamectin           | ND   | 0.039 | 0.013 | 0.3    | Pass       | Kresoxim Methyl         | ND   | 0.030 | 0.007  | 1   | Pass |
| Acephate            | ND   | 0.063 | 0.021 | 5      | Pass       | Malathion               | ND   | 0.030 | 0.005  | 5   | Pass |
| Acequinocyl         | ND   | 0.035 | 0.011 | 4      | Pass       | Metalaxyl               | <LOQ | 0.030 | 0.003  | 15  | Pass |
| Acetamiprid         | ND   | 0.030 | 0.006 | 5      | Pass       | Methomyl                | ND   | 0.030 | 0.006  | 0.1 | Pass |
| Azoxystrobin        | ND   | 0.030 | 0.003 | 40     | Pass       | Myclobutanil            | ND   | 0.030 | 0.007  | 9   | Pass |
| Bifenazate          | ND   | 0.030 | 0.005 | 5      | Pass       | Naled                   | ND   | 0.030 | 0.005  | 0.5 | Pass |
| Bifenthrin          | ND   | 0.030 | 0.006 | 0.5    | Pass       | Oxamyl                  | ND   | 0.030 | 0.009  | 0.3 | Pass |
| Boscalid            | ND   | 0.030 | 0.007 | 10     | Pass       | Pentachloronitrobenzene | ND   | 0.054 | 0.018  | 0.2 | Pass |
| Captan              | ND   | 0.358 | 0.120 | 5      | Pass       | Permethrin              | ND   | 0.030 | 0.002  | 20  | Pass |
| Carbaryl            | ND   | 0.030 | 0.004 | 0.5    | Pass       | Phosmet                 | ND   | 0.030 | 0.005  | 0.2 | Pass |
| Chlorantraniliprole | ND   | 0.030 | 0.006 | 40     | Pass       | Piperonyl Butoxide      | ND   | 0.030 | 0.006  | 8   | Pass |
| Clofentezine        | ND   | 0.030 | 0.005 | 0.5    | Pass       | Prallethrin             | ND   | 0.055 | 0.018  | 0.4 | Pass |
| Cyfluthrin          | ND   | 0.056 | 0.019 | 1      | Pass       | Propiconazole           | ND   | 0.037 | 0.012  | 20  | Pass |
| Cypermethrin        | ND   | 0.044 | 0.015 | 1      | Pass       | Pyrethrins              | ND   | 0.030 | 0.002  | 1   | Pass |
| Diazinon            | ND   | 0.030 | 0.009 | 0.2    | Pass       | Pyridaben               | ND   | 0.030 | 0.005  | 3   | Pass |
| Dimethomorph        | ND   | 0.030 | 0.009 | 20     | Pass       | Spinetoram              | ND   | 0.030 | 0.003  | 3   | Pass |
| Etoxazole           | ND   | 0.030 | 0.003 | 1.5    | Pass       | Spinosad                | ND   | 0.030 | 0.003  | 3   | Pass |
| Fenhexamid          | ND   | 0.030 | 0.008 | 10     | Pass       | Spiromesifen            | ND   | 0.030 | 0.005  | 12  | Pass |
| Fenpyroximate       | ND   | 0.030 | 0.005 | 2      | Pass       | Spirotetramat           | ND   | 0.030 | 0.006  | 13  | Pass |
| Flonicamid          | ND   | 0.046 | 0.015 | 2      | Pass       | Tebuconazole            | ND   | 0.030 | 0.009  | 2   | Pass |
| Fludioxonil         | ND   | 0.048 | 0.016 | 30     | Pass       | Thiamethoxam            | ND   | 0.030 | 0.006  | 4.5 | Pass |
| Hexythiazox         | ND   | 0.031 | 0.010 | 2      | Pass       | Trifloxystrobin         | ND   | 0.030 | 0.002  | 30  | Pass |
| Imidacloprid        | ND   | 0.030 | 0.009 | 3      | Pass       |                         |      |       |        |     |      |

### Other Analyte(s):

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