



# Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20240409-025  
 Sample: CA240409-021-114  
 Full Spectrum Dropper, 1000mg CBD + 1000mg  
 CBG, Citrus, w/MCT Oil, 30ml  
 Strain: Full Spectrum Dropper, 1000mg CBD +  
 1000mg CBG, Citrus, w/MCT Oil, 30ml  
 Category: Ingestible  
 Type: Tincture

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

Batch#: DK23-4294  
 Batch Size Collected:  
 Total Batch Size:  
 Collected: 04/16/2024; Received: 04/16/2024  
 Completed: 04/16/2024

|  |                                |                                |   |                      |
|--|--------------------------------|--------------------------------|---|----------------------|
| Moisture<br>NT<br>Water Activity<br>NT | Δ9-THC<br><b>28.42 mg/unit</b> | CBD<br><b>1,060.68 mg/unit</b> | Total Cannabinoids<br><b>2,213.55 mg/unit</b> | Total Terpenes<br>NT |
|--|--------------------------------|--------------------------------|---|----------------------|

| Summary           | SOP Used                                   | Date Tested |          |
|-------------------|--|-------------|----------|
| Batch             |  |             | Pass     |
| Cannabinoids      | POT-PREP-004                               | 04/10/2024  | Complete |
| Residual Solvents | RS-PREP-001                                | 04/15/2024  | Pass     |
| Microbials        | MICRO-PREP-001                             | 04/16/2024  | Pass     |
| Mycotoxins        | PESTMICO-LC-PREP-001                       | 04/12/2024  | Pass     |
| Heavy Metals      | HM-PREP-001                                | 04/12/2024  | Pass     |
| Foreign Matter    | FM-PREP-001                                | 04/09/2024  | Pass     |
| Pesticides        | PESTMICO-LC-PREP-001 /<br>PEST-GC-PREP-001 | 04/12/2024  | Pass     |



Scan to see results

## Cannabinoid Profile

1 Unit = bottle, 29.02 g. 1 mL = 0.93 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    | 0.0368     | 0.0123     | ND    | ND    | ND    | ND      | CBGa             | 0.0534     | 0.0178     | ND          | ND           | ND           | ND             |
| Δ9-THC  | 0.0368     | 0.0053     | 0.098 | 0.98  | 0.91  | 28.42   | CBG              | 0.0368     | 0.0061     | 3.620       | 36.20        | 33.67        | 1050.49        |
| Δ8-THC  | 0.0368     | 0.0055     | 0.004 | 0.04  | 0.04  | 1.22    | CBN              | 0.0368     | 0.0074     | 0.040       | 0.40         | 0.38         | 11.72          |
| THCV    | 0.0368     | 0.0048     | <LOQ  | <1    | <1    | <LOQ    | <b>Total THC</b> |            |            | <b>0.10</b> | <b>1.02</b>  | <b>0.95</b>  | <b>29.64</b>   |
| CBDa    | 0.0368     | 0.0059     | ND    | ND    | ND    | ND      | <b>Total CBD</b> |            |            | <b>3.66</b> | <b>36.55</b> | <b>33.99</b> | <b>1060.68</b> |
| CBD     | 0.0368     | 0.0050     | 3.655 | 36.55 | 33.99 | 1060.68 | <b>Total</b>     |            |            | <b>7.63</b> | <b>76.28</b> | <b>70.94</b> | <b>2213.55</b> |
| CBDV    | 0.0368     | 0.0049     | 0.070 | 0.70  | 0.65  | 20.23   |                  |            |            |             |              |              |                |
| CBC     | 0.0444     | 0.0148     | 0.141 | 1.41  | 1.31  | 40.78   |                  |            |            |             |              |              |                |

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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 04/16/2024

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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 |

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 RS-INST-003.

## 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 |

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

## 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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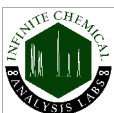
## Chemical Residue Screening

| 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):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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