

ICAL ID: 20220406-009 Sample: CA220406-002-009 CBD Granules For Horses Broad Spectrum 12,000mg/4lbs 24,000mg/8lbs Strain: CBD Granules For Horses Broad Spectrum 12,000mg/4lbs 24,000mg/8lbs Category: Ingestible

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

#### Lic.#

### **QA SAMPLE - INFORMATIONAL ONLY**

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Batch#: DK21-4765/DK21-4794 Batch Size Collected: Total Batch Size: Collected: 04/08/2022; Received: 04/08/2022 Completed: 04/08/2022

| Mois              |                       | 9-THC       | CBD               | Total Cannabinoids   | Total Terpenes      |
|-------------------|-----------------------|-------------|-------------------|--|---------------------|
| N<br>Water A      |                       | ND          | 6.91 mg/g         | 7.45 mg/g  | NT                  |
| 0.55              | 9 aw 0.00             | mg/serving  | 139.28 mg/serving | 150.10 mg/serving  |                     |
| Summary           | SOP Used              | Date Tested |                   |  |                     |
| Batch             |                       |             | Pass              |  |                     |
| Cannabinoids      | POT-PREP-002          | 04/07/2022  | Complete          | Service of the servic |                     |
| Vater Activity    | WA-PREP-001           | 04/08/2022  | Pass - 0.559 aw   | the man generation   |                     |
| Residual Solvents | RS-PREP-001           | 04/06/2022  | Pass              |  | 同代马头同               |
| Microbials        | MICRO-PREP-001        | 04/08/2022  | Pass              | Alexed Oct-1   |                     |
| Aycotoxins        | PESTMYCO-LC-PREP-001  | 04/07/2022  | Pass              | en en alles  | 101 Total State     |
| leavy Metals      | HM-PREP-001           | 04/07/2022  | Pass              |  |                     |
| oreign Matter     | FM-PREP-001           | 04/06/2022  | Pass              |  |                     |
| Pesticides        | PESTMYCO-LC-PREP-001/ | 04/07/2022  | Pass              | Contraction of the second seco |                     |
|                   | PEST-GC-PREP-001      |             |                   | N HEUR & GAN   | Scan to see results |
|                   |                       |             |                   |  |                     |

## **Cannahinoid** Profile

| Cannal  | oinoid Prof | ile        |       |      |          |           | 1 Unit = package | e, 1814.37 g. | 90 serv | ing(s) pe | er package. |
|---------|-------------|------------|-------|------|----------|-----------|------------------|---------------|---------|-----------|-------------|
| Analyte | LOQ (mg/g)  | LOD (mg/g) | %     | mg/g | mg/unit  | Analyte   | LOQ (mg/g)       | LOD (mg/g)    | %       | mg/g      | mg/unit     |
| THCa    | 0.0128      | 0.0043     | ND    | ND   | ND       | CBDV      | 0.0046           | 0.0004        | 0.007   | 0.07      | 134.26      |
| ∆9-THC  | 0.0046      | 0.0010     | ND    | ND   | ND       | CBN       | 0.0046           | 0.0005        | 0.016   | 0.16      | 290.30      |
| ∆8-THC  | 0.0046      | 0.0014     | ND    | ND   | ND       | CBGa      | 0.0046           | 0.0015        | ND      | ND        | ND          |
| THCV    | 0.0046      | 0.0006     | ND    | ND   | ND       | CBG       | 0.0046           | 0.0005        | 0.004   | 0.04      | 78.02       |
| CBDa    | 0.0049      | 0.0016     | ND    | ND   | ND       | CBC       | 0.0076           | 0.0025        | 0.026   | 0.26      | 470.83      |
| CBD     | 0.0046      | 0.0008     | 0.691 | 6.91 | 12535.18 | Total THC |                  |               | ND      | ND        | ND          |
|         |             |            |       |      |          | Total CBD |                  |               | 0.69    | 6.91      | 12535.18    |
|         |             |            |       |      |          | Total     |                  |               | 0.74    | 7.45      | 13508.59    |

Total THC=THCa\* 0.877 + d9-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 Profi | le         |              |      |         |            |              |      |
|---------------|------------|--------------|------|---------|------------|--------------|------|
| 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 then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



Infinite Chemical Analysis Labs 8312 Miramar Mall San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-0000047-LIC

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Josh Swider Lab Director, Managing Partner 04/08/2022

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Batch#: DK21-4765/DK21-4794 Batch Size Collected: Total Batch Size: Collected: 04/08/2022; Received: 04/08/2022 Completed: 04/08/2022

### **Residual Solvent Analysis**

| Category 1          |            | LOQ           | LOD           | Limit     | Status | Category 2    |  | LOQ LOD Limit                       | Status | Category 2  |            | LOQ LOD                  | Limit       | Status |
|---------------------|------------|---------------|---------------|-----------|--------|---------------|--|-------------------------------------|--------|-------------|------------|--------------------------|-------------|--------|
| 1,2-Dichloro-Ethane | µg/g<br>ND | µg/g<br>0.264 | µg/g<br>0.088 | µg/g<br>1 | Pass   | Acetone       | µg/g<br><loq 5<="" td=""><td>μg/g μg/g μg/g<br/>j1.246 0.716 5000</td><td></td><td>n-Hexane</td><td>µg/g<br/>ND</td><td>μg/g μg/g<br/>0.281 0.027</td><td>µg/g<br/>290</td><td>Pass</td></loq> | μg/g μg/g μg/g<br>j1.246 0.716 5000 |        | n-Hexane    | µg/g<br>ND | μg/g μg/g<br>0.281 0.027 | µg/g<br>290 | Pass   |
| Benzene             | ND         | 0.052         | 0.017         | 1         | Pass   | Acetonitrile  | ND   | 0.42 0.14 410                       | Pass   | Isopropanol | ND         | 2.86 0.614               | 5000        | Pass   |
| Chloroform          | ND         | 0.076         | 0.025         | 1         | Pass   | Butane        | ND   | 4.8490.748 5000                     | Pass   | Methanol    | 21.5       | 2.602 0.867              | 3000        | Pass   |
| Ethylene Oxide      | ND         | 0.579         | 0.179         | 1         | Pass   | Ethanol       | ND   | 7.575 2.525 5000                    | Pass   | Pentane     | ND         | 5.075 1.692              | 5000        | Pass   |
| Methylene-Chloride  | ND         | 0.729         | 0.08          | 1         | Pass   | Ethyl-Acetate | ND   | 2.288 0.175 5000                    | Pass   | Propane     | ND         | 9.709 3.236              | 5000        | Pass   |
| Trichloroethene     | ND         | 0.145         | 0.028         | 1         | Pass   | Ethyl-Ether   | ND   | 2.869 0.389 5000                    | Pass   | Toluene     | ND         | 0.864 0.067              | 890         | Pass   |
|                     |            |               |               |           |        | Heptane       | ND   | 2.8590.496 5000                     | Pass   | Xylenes     | ND         | 2.572 0.326              | 2170        | Pass   |

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then 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 | 0.129 | 0.009 | 0.003 | 1.5   | Pass   |
| Cadmium | 0.108 | 0.002 | 0.001 | 0.5   | Pass   |
| Lead    | 0.075 | 0.004 | 0.001 | 0.5   | Pass   |
| Mercury | ND    | 0.014 | 0.005 | 3     | Pass   |

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## **Microbiological Screening**

Lic# C8-0000047-LIC

|                       | 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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Josh Swider Lab Director, Managing Partner 04/08/2022

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#### **QA SAMPLE - INFORMATIONAL ONLY**

3 of 4 Batch#: DK21-4765/DK21-4794 Batch Size Collected: Total Batch Size: Collected: 04/08/2022; Received: 04/08/2022 Completed: 04/08/2022

**Chemical Residue Screening** 

| Category 1       |      | LOQ   | LOD   | Status |
|------------------|------|-------|-------|--------|
|                  | µg/g | µg/g  | µg/g  |        |
| Aldicarb         | ND   | 0.065 | 0.022 | Pass   |
| Carbofuran       | ND   | 0.030 | 0.009 | Pass   |
| Chlordane        | ND   | 0.075 | 0.025 | Pass   |
| Chlorfenapyr     | ND   | 0.075 | 0.025 | Pass   |
| Chlorpyrifos     | ND   | 0.053 | 0.018 | Pass   |
| Coumaphos        | ND   | 0.056 | 0.018 | Pass   |
| Daminozide       | ND   | 0.079 | 0.026 | Pass   |
| Dichlorvos       | ND   | 0.067 | 0.022 | Pass   |
| Dimethoate       | ND   | 0.036 | 0.012 | Pass   |
| Ethoprophos      | ND   | 0.053 | 0.017 | Pass   |
| Etofenprox       | ND   | 0.030 | 0.008 | Pass   |
| Fenoxycarb       | ND   | 0.043 | 0.014 | Pass   |
| Fipronil         | ND   | 0.045 | 0.015 | Pass   |
| Imazalil         | ND   | 0.047 | 0.016 | Pass   |
| Methiocarb       | ND   | 0.047 | 0.016 | Pass   |
| Mevinphos        | ND   | 0.042 | 0.014 | Pass   |
| Paclobutrazol    | ND   | 0.040 | 0.013 | Pass   |
| Parathion Methyl | ND   | 0.024 | 0.008 | Pass   |
| Propoxur         | ND   | 0.047 | 0.016 | Pass   |
| Spiroxamine      | ND   | 0.032 | 0.011 | Pass   |
| Thiacloprid      | ND   | 0.042 | 0.014 | Pass   |

| 5 | Mycotoxins       |       | LOQ   | LOD   | Limit | Status |
|---|------------------|-------|-------|-------|-------|--------|
|   |                  | µg/kg | µg/kg | µg/kg | µg/kg |        |
| 5 | B1               | ND    | 7.88  | 2.6   |       | Tested |
| 5 | B2               | ND    | 6.18  | 2.04  |       | Tested |
| 5 | G1               | ND    | 8.99  | 2.97  |       | Tested |
| 5 | G2               | ND    | 5.72  | 1.89  |       | Tested |
| 5 | Ochratoxin A     | ND    | 11.72 | 3.87  | 20    | Pass   |
| 5 | Total Aflatoxins | ND    |       |       | 20    | 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   | 0.030 | 0.010 | 0.3   | Pass   | Kresoxim Methyl         | ND   | 0.038 | 0.012 | 1     | Pass   |
| Acephate            | ND   | 0.050 | 0.016 | 5     | Pass   | Malathion               | <loq< th=""><th>0.035</th><th>0.012</th><th>5</th><th>Pass</th></loq<> | 0.035 | 0.012 | 5     | Pass   |
| Acequinocyl         | ND   | 0.059 | 0.019 | 4     | Pass   | Metalaxyl               | ND   | 0.031 | 0.010 | 15    | Pass   |
| Acetamiprid         | ND   | 0.044 | 0.015 | 5     | Pass   | Methomyl                | ND   | 0.048 | 0.016 | 0.1   | Pass   |
| Azoxystrobin        | ND   | 0.029 | 0.010 | 40    | Pass   | Myclobutanil            | ND   | 0.055 | 0.018 | 9     | Pass   |
| Bifenazate          | ND   | 0.035 | 0.012 | 5     | Pass   | Naled                   | ND   | 0.051 | 0.017 | 0.5   | Pass   |
| Bifenthrin          | ND   | 0.040 | 0.013 | 0.5   | Pass   | Oxamyl                  | ND   | 0.046 | 0.015 | 0.3   | Pass   |
| Boscalid            | ND   | 0.060 | 0.020 | 10    | Pass   | Pentachloronitrobenzene | ND   | 0.054 | 0.018 | 0.2   | Pass   |
| Captan              | ND   | 0.358 | 0.120 | 5     | Pass   | Permethrin              | ND   | 0.030 | 0.008 | 20    | Pass   |
| Carbaryl            | ND   | 0.049 | 0.016 | 0.5   | Pass   | Phosmet                 | ND   | 0.038 | 0.012 | 0.2   | Pass   |
| Chlorantraniliprole | ND   | 0.063 | 0.021 | 40    | Pass   | Piperonyl Butoxide      | 0.286  | 0.030 | 0.008 | 8     | Pass   |
| Clofentezine        | ND   | 0.039 | 0.013 | 0.5   | Pass   | Prallethrin             | ND   | 0.068 | 0.023 | 0.4   | Pass   |
| Cyfluthrin          | ND   | 0.056 | 0.019 | 1     | Pass   | Propiconazole           | ND   | 0.059 | 0.019 | 20    | Pass   |
| Cypermethrin        | ND   | 0.044 | 0.015 | 1     | Pass   | Pyrethrins              | ND   | 0.030 | 0.004 | 1     | Pass   |
| Diazinon            | ND   | 0.030 | 0.006 | 0.2   | Pass   | Pyridaben               | ND   | 0.035 | 0.012 | 3     | Pass   |
| Dimethomorph        | ND   | 0.042 | 0.014 | 20    | Pass   | Spinetoram              | ND   | 0.030 | 0.006 | 3     | Pass   |
| Etoxazole           | ND   | 0.030 | 0.008 | 1.5   | Pass   | Spinosad                | ND   | 0.030 | 0.004 | 3     | Pass   |
| Fenhexamid          | ND   | 0.039 | 0.013 | 10    | Pass   | Spiromesifen            | ND   | 0.042 | 0.014 | 12    | Pass   |
| Fenpyroximate       | ND   | 0.030 | 0.010 | 2     | Pass   | Spirotetramat           | ND   | 0.041 | 0.013 | 13    | Pass   |
| Flonicamid          | ND   | 0.081 | 0.027 | 2     | Pass   | Tebuconazole            | ND   | 0.044 | 0.014 | 2     | Pass   |
| Fludioxonil         | ND   | 0.046 | 0.015 | 30    | Pass   | Thiamethoxam            | ND   | 0.055 | 0.018 | 4.5   | Pass   |
| Hexythiazox         | ND   | 0.078 | 0.026 | 2     | Pass   | Trifloxystrobin         | ND   | 0.031 | 0.010 | 30    | Pass   |
| Imidacloprid        | ND   | 0.071 | 0.023 | 3     | Pass   |                         |  |       |       |       |        |

### Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then 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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# Additional Package Sizes

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**QA SAMPLE - INFORMATIONAL ONLY** 

4 of 4 Batch#: DK21-4765/DK21-4794 Batch Size Collected: Total Batch Size: Collected: 04/08/2022; Received: 04/08/2022 Completed: 04/08/2022

| ∆9-THC | CBD                | Total Cannabinoids  |  |
|--------|--------------------|---|--|
| ND     | 12,535.18 mg/unit  | 13,508.59 mg/unit   | Pass   |
| ND     | 139.28 mg/serving  | 150.10 mg/serving   |  |
| ∆9-THC | CBD                | Total Cannabinoids  |  |
| ND     | 25,070.35 mg/unit  | 27,017.17 mg/unit   | Pass   |
| ND     | 208.92 mg/serving  | 225.14 mg/serving   |  |
|        | ND<br>Δ9-THC<br>ND | ND 12,535.18 mg/unit   ND 139.28 mg/serving   Δ9-THC CBD   ND 25,070.35 mg/unit | ND 12,535.18 mg/unit 13,508.59 mg/unit   ND 139.28 mg/serving 150.10 mg/serving   Δ9-THC CBD Total Cannabinoids   ND 25,070.35 mg/unit 27,017.17 mg/unit |



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