

Sample Name: ISOLATENUTRA CANNABIDIOL99740128

Client: Natures Pure CBD

Sample Type: Crystals

Strain: Unknown

Moisture: 0.0% [LPG-001]

Submitted: December 19, 2018

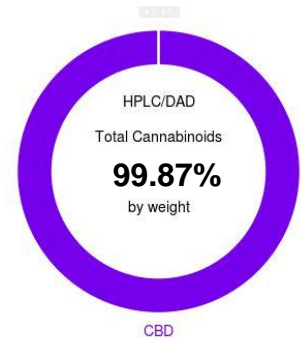
Tested: December 19, 2018

Expires: December 19, 2019

Submitted for: HPLC,

**Profiling by Liquid Chromatography - Pass**

| Cannabinoid  | Percent         | mg/g            | LOQ       | LOD       | L.C. <sup>1</sup> | Status      |
|--------------|-----------------|-----------------|-----------|-----------|-------------------|-------------|
| d9-THC       | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| d8-THC       | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| THCA         | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| THCV         | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| CBG          | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| CBGA         | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| CBN          | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| CBD          | 99.87           | 998.70          | 2.00      | 0.67      | -                 | Pass        |
| CBDV         | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| CBDA         | ND <sup>1</sup> | ND <sup>1</sup> | 2.00      | 0.67      | -                 | Pass        |
| <b>Total</b> | <b>99.87</b>    | <b>998.70</b>   | <b>NA</b> | <b>NA</b> | <b>-</b>          | <b>Pass</b> |



-0% Decarboxylated THC

<sup>1</sup>L.C. = Label Claim in percentage units

**Microbiological Screening -**

Petrifilm screening for microbiological contamination. [SOP-009] | Date Performed:

|                     | Analysis | Limit of Detection | Action Limits | Status |
|---------------------|----------|--------------------|---------------|--------|
| Shiga-Toxin E. Coli | NA       | < 1 cfu/g          | cfu/g         |        |
| Salmonella          | NA       | < 1 cfu/g          | cfu/g         |        |
| Aspergillus         | NA       | < 1 cfu/g          | cfu/g         |        |
| Pseudomonas         | NA       | < 1 cfu/g          | cfu/g         |        |
| APC                 | NA       | < 1 cfu/g          | cfu/g         |        |
| E. Coli             | NA       | < 1 cfu/g          | cfu/g         |        |
| Coliform            | NA       | < 1 cfu/g          | cfu/g         |        |
| Yeast & Mold        | NA       | < 1 cfu/g          | cfu/g         |        |

\*NTC = Too Numerous To Count

<sup>1</sup>ND = Not Detected

**Residual Solvent Analysis -**

Analysis of residual solvents. [SOP-011] | Date Performed:

| Solvent            | ug/g | Action Limit | LOQ | LOD | Status |
|--------------------|------|--------------|-----|-----|--------|
| Benzene            | NT   |              |     |     |        |
| Chloroform         | NT   |              |     |     |        |
| 1,2-Dichloroethane | NT   |              |     |     |        |
| Ethylene Oxide     | NT   |              |     |     |        |
| Methylene Chloride | NT   |              |     |     |        |
| Trichloroethylene  | NT   |              |     |     |        |
| Acetone            | NT   |              |     |     |        |
| Acetonitrile       | NT   |              |     |     |        |
| Ethanol            | NT   |              |     |     |        |
| Ethyl Acetate      | NT   |              |     |     |        |
| Heptane            | NT   |              |     |     |        |
| Hexane             | NT   |              |     |     |        |
| Isopropanol        | NT   |              |     |     |        |
| Methanol           | NT   |              |     |     |        |
| N-Butane           | NT   |              |     |     |        |
| Pentane            | NT   |              |     |     |        |
| Propane            | NT   |              |     |     |        |
| Toluene            | NT   |              |     |     |        |
| Total Xylenes      | NT   |              |     |     |        |

\*ND = Not Detected

\*\*Client Limit is self-selected and will be replaced by official CA State limits when they become available



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**Submitted:** December 19, 2018

**Tested:** December 19, 2018

**Expires:** December 19, 2019

**Submitted for:** HPLC,

**Chemical Residue Screening -**

Targeted analysis of chemical residues. [SOP-017] | Date Performed:

|                     | ug/g | LOQ | LOD | Action Limit | Status |                    | ug/g | LOQ | LOD | Action Limit | Status |
|---------------------|------|-----|-----|--------------|--------|--------------------|------|-----|-----|--------------|--------|
| Abamectin           | NT   |     |     |              |        | Fludioxonil        | NT   |     |     |              |        |
| Acephate            | NT   |     |     |              |        | Hexythiazox        | NT   |     |     |              |        |
| Acequinocyl         | NT   |     |     |              |        | Imazalil           | NT   |     |     |              |        |
| Acetamiprid         | NT   |     |     |              |        | Imidacloprid       | NT   |     |     |              |        |
| Aldicarb            | NT   |     |     |              |        | Kresoxim-methyl    | NT   |     |     |              |        |
| Azoxystrobin        | NT   |     |     |              |        | Metalaxyl          | NT   |     |     |              |        |
| Bifenazate          | NT   |     |     |              |        | Methiocarb         | NT   |     |     |              |        |
| Bifenthrin          | NT   |     |     |              |        | Methomyl           | NT   |     |     |              |        |
| Boscalid            | NT   |     |     |              |        | Mevinphos          | NT   |     |     |              |        |
| Captan              | NT   |     |     |              |        | Myclobutanil       | NT   |     |     |              |        |
| Carbaryl            | NT   |     |     |              |        | Naled              | NT   |     |     |              |        |
| Carbofuran          | NT   |     |     |              |        | Oxamyl             | NT   |     |     |              |        |
| Chlorantraniliprole | NT   |     |     |              |        | Paclobutrazol      | NT   |     |     |              |        |
| Chlordane           | NT   |     |     |              |        | Parathion methyl   | NT   |     |     |              |        |
| Chlorfenapyr        | NT   |     |     |              |        | PCNB               | NT   |     |     |              |        |
| Chlorpyrifos        | NT   |     |     |              |        | Permethrin         | NT   |     |     |              |        |
| Clofentezine        | NT   |     |     |              |        | Phosmet            | NT   |     |     |              |        |
| Coumaphos           | NT   |     |     |              |        | Piperonyl butoxide | NT   |     |     |              |        |
| Cyfluthrin          | NT   |     |     |              |        | Prallethrin        | NT   |     |     |              |        |
| Cypermethrin        | NT   |     |     |              |        | Propiconazole      | NT   |     |     |              |        |
| Daminozide          | NT   |     |     |              |        | Propoxure          | NT   |     |     |              |        |
| Diazinon            | NT   |     |     |              |        | Pyrethrin          | NT   |     |     |              |        |
| Dichlorvos          | NT   |     |     |              |        | Pyridaben          | NT   |     |     |              |        |
| Dimethoate          | NT   |     |     |              |        | Spinetoram         | NT   |     |     |              |        |
| Dimethomorph        | NT   |     |     |              |        | Spinosad           | NT   |     |     |              |        |
| Ethoprophos         | NT   |     |     |              |        | Spiromesifen       | NT   |     |     |              |        |
| Etofenprox          | NT   |     |     |              |        | Spirotetramat      | NT   |     |     |              |        |
| Etoxazole           | NT   |     |     |              |        | Spiroxamine        | NT   |     |     |              |        |
| Fenhexamid          | NT   |     |     |              |        | Tebuconazole       | NT   |     |     |              |        |
| Fenoxycarb          | NT   |     |     |              |        | Thiacloprid        | NT   |     |     |              |        |
| Fenpyroximate       | NT   |     |     |              |        | Thiamethoxam       | NT   |     |     |              |        |
| Fipronil            | NT   |     |     |              |        | Trifloxystrobin    | NT   |     |     |              |        |
| Flonicamid          | NT   |     |     |              |        |                    |      |     |     |              |        |

ND = Not Detected  
NT = Not Tested

**Terpene Profiling -**

Analysis of terpenes. [SOP-012] | Date Performed:

|              | PPM | mg/g | LOQ | LOD | L.C. <sup>2</sup> | Status |                 | PPM | mg/g | LOQ | LOD | L.C. <sup>2</sup> | Status |
|--------------|-----|------|-----|-----|-------------------|--------|-----------------|-----|------|-----|-----|-------------------|--------|
| b-Myrcene    | NT  |      |     |     |                   |        | Camphor         | NT  |      |     |     |                   |        |
| Nerol        | NT  |      |     |     |                   |        | Borneol         | NT  |      |     |     |                   |        |
| Nerolidol    | NT  |      |     |     |                   |        | Pulegone        | NT  |      |     |     |                   |        |
| Ocimene      | NT  |      |     |     |                   |        | Cedrol          | NT  |      |     |     |                   |        |
| a-Bisbolol   | NT  |      |     |     |                   |        | b-Caryophyllene | NT  |      |     |     |                   |        |
| Farnasene    | NT  |      |     |     |                   |        | Elemene         | NT  |      |     |     |                   |        |
| Valencene    | NT  |      |     |     |                   |        | Phellandrene    | NT  |      |     |     |                   |        |
| d3-Carene    | NT  |      |     |     |                   |        | Isopulegol      | NT  |      |     |     |                   |        |
| d-Limonene   | NT  |      |     |     |                   |        | Linalool        | NT  |      |     |     |                   |        |
| g-Terpinene  | NT  |      |     |     |                   |        | (+)-Fenchone    | NT  |      |     |     |                   |        |
| a-Pinene     | NT  |      |     |     |                   |        | a-Caryophyllene | NT  |      |     |     |                   |        |
| Sabinene     | NT  |      |     |     |                   |        | Guaiol          | NT  |      |     |     |                   |        |
| b-Pinene     | NT  |      |     |     |                   |        | Bergamotene     | NT  |      |     |     |                   |        |
| Camphene     | NT  |      |     |     |                   |        | Terpineol       | NT  |      |     |     |                   |        |
| Eucalyptol   | NT  |      |     |     |                   |        | Terpinolene     | NT  |      |     |     |                   |        |
| (-)-Fenchone | NT  |      |     |     |                   |        | a-Terpinene     | NT  |      |     |     |                   |        |
| Fenchol      | NT  |      |     |     |                   |        |                 |     |      |     |     |                   |        |

**Total Terpenes** 0.0 PPM

<sup>1</sup>ND = Not Detected  
<sup>2</sup>L.C. = Label Claim

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This sample was tested by CW Analytical Laboratories. Results are valid through the expiration date indicated.

*Robert W Martin, PhD*  
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