



# Certificate of Analysis

Powered by Confident Cannabis

## Logan Leaf

Las Vegas, NV 89118  
 info@loganleaf.com  
 (435) 232-6857  
 Lic. #

Sample: 1912DBL0299.12487

METRC Sample:  
 Batch #: 120-1230

Strain: RN 13

Ordered: 12/17/2019; Sampled: 12/23/2019; Completed: 12/31/2019

## CBD+ Pure Spectrum 1000mg Mint

Concentrates & Extracts, Cannabinoid Isolate, Alcohol



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

### Terpenes

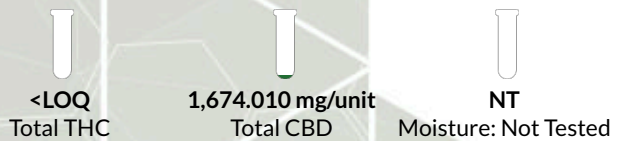
Analyzed by 300.13 GC/FID and GC/MS



| Compound            | LOQ<br>mg/unit | Mass<br>mg/unit | Mass<br>mg/g | Relative Concentration |
|---------------------|----------------|-----------------|--------------|------------------------|
| α-Pinene            | 3.233          | 7.097           | 0.237        |                        |
| δ-Limonene          | 3.233          | 4.883           | 0.163        |                        |
| cis-Ocimene         | 2.101          | 3.290           | 0.110        |                        |
| α-Bisabolol         | 3.233          | <LOQ            | <LOQ         |                        |
| α-Humulene          | 3.233          | <LOQ            | <LOQ         |                        |
| α-Terpinene         | 3.233          | <LOQ            | <LOQ         |                        |
| β-Caryophyllene     | 3.233          | <LOQ            | <LOQ         |                        |
| β-Myrcene           | 3.233          | <LOQ            | <LOQ         |                        |
| β-Pinene            | 3.233          | <LOQ            | <LOQ         |                        |
| Camphene            | 3.233          | <LOQ            | <LOQ         |                        |
| Caryophyllene Oxide | 3.233          | <LOQ            | <LOQ         |                        |
| cis-Nerolidol       | 2.101          | <LOQ            | <LOQ         |                        |
| δ-3-Carene          | 3.233          | <LOQ            | <LOQ         |                        |
| Eucalyptol          | 3.233          | <LOQ            | <LOQ         |                        |
| γ-Terpinene         | 3.233          | <LOQ            | <LOQ         |                        |
| Guaiol              | 3.233          | <LOQ            | <LOQ         |                        |
| Isopulegol          | 3.233          | <LOQ            | <LOQ         |                        |
| Linalool            | 3.233          | <LOQ            | <LOQ         |                        |
| p-Cymene            | 3.233          | <LOQ            | <LOQ         |                        |
| Terpinolene         | 3.233          | <LOQ            | <LOQ         |                        |
| trans-Nerolidol     | 1.132          | <LOQ            | <LOQ         |                        |
| trans-Ocimene       | 1.132          | <LOQ            | <LOQ         |                        |

### Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA



| Compound | LOQ<br>mg/unit | Mass<br>mg/unit | Mass<br>mg/g | Relative Concentration |
|----------|----------------|-----------------|--------------|------------------------|
| CBC      | 7.013          | <LOQ            | <LOQ         |                        |
| CBCa     | 7.013          | <LOQ            | <LOQ         |                        |
| CBD      | 7.013          | 1674.010        | 55.800       |                        |
| CBDa     | 7.013          | <LOQ            | <LOQ         |                        |
| CBDV     | 7.013          | <LOQ            | <LOQ         |                        |
| CBDVa    | 7.013          | <LOQ            | <LOQ         |                        |
| CBG      | 7.013          | <LOQ            | <LOQ         |                        |
| CBGa     | 7.013          | <LOQ            | <LOQ         |                        |
| CBL      | 7.013          | <LOQ            | <LOQ         |                        |
| CBN      | 7.013          | <LOQ            | <LOQ         |                        |
| Δ8-THC   | 7.013          | <LOQ            | <LOQ         |                        |
| Δ9-THC   | 7.013          | <LOQ            | <LOQ         |                        |
| THCa     | 7.013          | <LOQ            | <LOQ         |                        |
| THCV     | 7.013          | <LOQ            | <LOQ         |                        |
| THCVa    | 7.013          | <LOQ            | <LOQ         |                        |

1 Unit = CBD+ Pure Spectrum, 30g  
 Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa \* 0.877 + CBD



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 Quality Control

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## CBD+ Pure Spectrum 1000mg Mint

Concentrates & Extracts, Cannabinoid Isolate, Alcohol



### Pesticides

Analyzed by 300.9 LC/MS/MS and GC/MS/MS

Pass

| Compound                | LOQ | Limit | Mass | Status |
|-------------------------|-----|-------|------|--------|
|                         | PPB | PPB   | PPB  |        |
| Abamectin               | 10  | 200   | <LOQ | Pass   |
| Acequinocyl             | 10  | 4000  | <LOQ | Pass   |
| Bifenazate              | 10  | 400   | <LOQ | Pass   |
| Bifenthrin              | 10  | 100   | <LOQ | Pass   |
| Cyfluthrin              | 10  | 2000  | <LOQ | Pass   |
| Cypermethrin            | 10  | 1000  | <LOQ | Pass   |
| Daminozide              | 10  | 800   | <LOQ | Pass   |
| Dimethomorph            | 10  | 2000  | <LOQ | Pass   |
| Etoxazole               | 10  | 400   | <LOQ | Pass   |
| Fenhexamid              | 10  | 1000  | <LOQ | Pass   |
| Flonicamid              | 10  | 1000  | <LOQ | Pass   |
| Fludioxonil             | 10  | 500   | <LOQ | Pass   |
| Imidacloprid            | 10  | 500   | <LOQ | Pass   |
| Myclobutanil            | 10  | 400   | <LOQ | Pass   |
| Pacllobutrazol          | 10  | 400   | <LOQ | Pass   |
| Piperonyl Butoxide      | 10  | 3000  | <LOQ | Pass   |
| Pyrethrins              | 10  | 2000  | <LOQ | Pass   |
| Quintozene              | 10  | 800   | <LOQ | Pass   |
| Spinetoram              | 10  | 1000  | <LOQ | Pass   |
| Spinosad                | 10  | 1000  | <LOQ | Pass   |
| Spirotetramat           | 10  | 1000  | <LOQ | Pass   |
| Thiamethoxam            | 10  | 400   | <LOQ | Pass   |
| Trifloxystrobin         | 10  | 1000  | <LOQ | Pass   |
| Plant Growth Regulators | 10  | 50    | <LOQ | Pass   |

### Microbials

Analyzed by 300.1 Plating/QPCR

Pass

| Quantitative Analysis                | LOQ   | Limit | Mass  | Status |
|--------------------------------------|-------|-------|-------|--------|
|                                      | CFU/g | CFU/g | CFU/g |        |
| Bile-Tolerant Gram-Negative Bacteria | 9     | 100   | <LOQ  | Pass   |
| Yeast & Mold                         | 90    | 1000  | <LOQ  | Pass   |

| Qualitative Analysis | Detected or Not Detected | Status |
|----------------------|--------------------------|--------|
| Aspergillus          | Not Detected             | Pass   |
| E. Coli              | Not Detected             | Pass   |
| Salmonella           | Not Detected             | Pass   |

### Mycotoxins

Analyzed by 300.2 Elisa

Pass

| Mycotoxin    | LOQ | Limit | Mass | Status |
|--------------|-----|-------|------|--------|
|              | PPB | PPB   | PPB  |        |
| Aflatoxins   | 4.0 | 20.0  | <LOQ | Pass   |
| Ochratoxin A | 2.0 | 20.0  | <LOQ | Pass   |

### Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

| Element | LOQ | Limit | Mass | Status |
|---------|-----|-------|------|--------|
|         | PPB | PPB   | PPB  |        |
| Arsenic | 39  | 2000  | <LOQ | Pass   |
| Cadmium | 39  | 820   | <LOQ | Pass   |
| Lead    | 39  | 1200  | 45   | Pass   |
| Mercury | 39  | 400   | <LOQ | Pass   |

### Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

| Compound | LOQ | Limit | Mass | Status |
|----------|-----|-------|------|--------|
|          | PPM | PPM   | PPM  |        |
| Butanes  | 69  | 500   | <LOQ | Pass   |
| Heptanes | 69  | 500   | 96   | Pass   |
| Propane  | 69  | 500   | <LOQ | Pass   |



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