



Certificate of Analysis

Powered by Confident Cannabis

Hemplucid

4844 N300W, #202
Provo, UT 84604
(385) 203-8556

Sample: 1912DBL0225.12293.R1

Lot #: CO2-YP5-31819-TW10

Ordered: 12/13/2019; Sampled: 12/16/2019; Completed: 12/30/2019; Analyzed: 12/23/2019

HL-Concentrate-1371A

Concentrates & Extracts, Distillate, CO2



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

Terpenes

Analyzed by 300.13 GC/FID and GC/MS



0.320%
Total Terpenes



| Compound | LOQ | Mass | Mass | Relative Concentration |
|---------------------|-------|-------|------|------------------------|
| | % | % | mg/g | |
| β-Caryophyllene | 0.012 | 0.116 | 1.16 | |
| α-Bisabolol | 0.012 | 0.064 | 0.64 | |
| α-Humulene | 0.012 | 0.049 | 0.49 | |
| trans-Nerolidol | 0.004 | 0.045 | 0.45 | |
| Linalool | 0.012 | 0.024 | 0.24 | |
| Guaiol | 0.012 | 0.023 | 0.23 | |
| α-Pinene | 0.012 | <LOQ | <LOQ | |
| α-Terpinene | 0.012 | <LOQ | <LOQ | |
| β-Myrcene | 0.012 | <LOQ | <LOQ | |
| β-Pinene | 0.012 | <LOQ | <LOQ | |
| Camphene | 0.012 | <LOQ | <LOQ | |
| Caryophyllene Oxide | 0.012 | <LOQ | <LOQ | |
| cis-Nerolidol | 0.008 | <LOQ | <LOQ | |
| cis-Ocimene | 0.008 | <LOQ | <LOQ | |
| δ-3-Carene | 0.012 | <LOQ | <LOQ | |
| δ-Limonene | 0.012 | <LOQ | <LOQ | |
| Eucalyptol | 0.012 | <LOQ | <LOQ | |
| γ-Terpinene | 0.012 | <LOQ | <LOQ | |
| Isopulegol | 0.012 | <LOQ | <LOQ | |
| p-Cymene | 0.012 | <LOQ | <LOQ | |
| Terpinolene | 0.012 | <LOQ | <LOQ | |
| trans-Ocimene | 0.004 | <LOQ | <LOQ | |

Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA



2.469%
Total THC



54.941%
Total CBD



NT
Moisture: Not Tested

60.907%
Total Cannabinoids

| Compound | LOQ | Mass | Mass | Relative Concentration |
|----------|-------|--------|--------|------------------------|
| | % | % | mg/g | |
| CBC | 0.022 | 2.221 | 22.21 | |
| CBCa | 0.022 | <LOQ | <LOQ | |
| CBD | 0.022 | 54.941 | 549.41 | |
| CBDa | 0.022 | <LOQ | <LOQ | |
| CBDV | 0.022 | 0.613 | 6.13 | |
| CBDVa | 0.022 | <LOQ | <LOQ | |
| CBG | 0.022 | 0.624 | 6.24 | |
| CBGa | 0.022 | <LOQ | <LOQ | |
| CBL | 0.022 | <LOQ | <LOQ | |
| CBN | 0.022 | 0.040 | 0.40 | |
| Δ8-THC | 0.022 | <LOQ | <LOQ | |
| Δ9-THC | 0.022 | 2.469 | 24.69 | |
| THCa | 0.022 | <LOQ | <LOQ | |
| THCV | 0.022 | <LOQ | <LOQ | |
| THCVa | 0.022 | <LOQ | <LOQ | |

Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD

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Notes: Added ethanol and hexane data for residual solvents.



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HL-Concentrate-1371A

Concentrates & Extracts, Distillate, CO2



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 | 10 | 100 | <LOQ | Pass |
| Yeast & Mold | 1000 | 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 | 12.1 | Pass |

Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

| Element | LOQ | Limit | Mass | Status |
|---------|-----|-------|------|--------|
| | PPB | PPB | PPB | |
| Arsenic | 64 | 2000 | <LOQ | Pass |
| Cadmium | 64 | 820 | <LOQ | Pass |
| Lead | 64 | 1200 | 99 | Pass |
| Mercury | 64 | 400 | <LOQ | Pass |

Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

| Compound | LOQ | Limit | Mass | Status |
|----------|-----|-------|------|--------|
| | PPM | PPM | PPM | |
| Butanes | 77 | 500 | <LOQ | Pass |
| Heptanes | 77 | 500 | <LOQ | Pass |
| Propane | 77 | 500 | <LOQ | Pass |
| Ethanol | 77 | 500 | <LOQ | Pass |
| Hexane | 77 | 500 | <LOQ | Pass |



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