



LAB REPORT

Customer: Hemp Synergistics
Address: 866 Avenue A
Leetsdale, PA 15056

Sample: Batch #20200619002

Received: 06/25/2020
Moisture: N/A

Lab ID/Sample Report ID: 20200625HSA

Potency Test Results- WI-001 HPLC-UV

Analysis Date: 06/27/2020

| ANALYTE | WEIGHT % | CONCENTRATION (mg/g) |
|-------------------|--------------|----------------------|
| CBD | 8.95% | 89.50 |
| CBG | <0.10% | <1.00 |
| CBD-A | <0.10% | <1.00 |
| CBN | <0.10% | <1.00 |
| Delta 9 THC (THC) | <0.10% | <1.00 |
| Delta 8 THC | <0.10% | <1.00 |
| CBC | <0.10% | <1.00 |
| THC-A | <0.10% | <1.00 |
| THC-V | <0.10% | <1.00 |
| TOTAL | 8.95% | 89.50 |

Terpene Test Results - GCMS

Analysis Date: N/A

| ANALYTE | CONCENTRATION (ug/g) | ANALYTE | CONCENTRATION (ug/g) |
|-----------------------|----------------------|--------------------------|----------------------|
| Alpha-Pinene | | Linalool | |
| Camphene | | Fenchyl Alcohol | |
| Sabinene | | Borneol | |
| Beta-Pinene | | Alpha Terpineol (Isomer) | |
| Beta-Myrcene | | Gamma Terpineol (Isomer) | |
| Alpha-Phellandrene | | Beta-Caryophyllene | |
| Delta-3-Carene | | Elemene | |
| Alpha-Terpinene | | Alpha-Humulene | |
| P-Cymene | | Valencene | |
| Limonene | | Cis-Nerolidol | |
| Eucalyptol | | Trans Nerolidol | |
| Ocimene | | Caryophyllene Oxide | |
| Gamma-Terpinene | | Guaiol | |
| Sabinene Hydrate | | Alpha-Bisabolol | |
| Terpinolene | | | |
| Fenchone | | | |
| Total Terpenes | | | |

MICROBIOLOGICAL TESTS- WI-010,WI-008, WI-005 3M

Analysis Date: N/A

Total Viable Aerobic Bacteria 10⁴
Total Yeast And Mold 10³
Total Coliform 10²
Bile-Tolerant Gram Negative Bacteria 10²
E-coli (Pathogenic Strains)- no detection in 1 gram
Salmonella- no detection in 1 gram

MYCOTOXIN TESTS- WI-003 Alisa (<20 ug/kg of substance)

Analysis Date: N/A

Aflatoxin B1
Aflatoxin B2
Aflatoxin G1
Aflatoxin G2
Ochratoxin A

HEAVY METALS - WI-011 ICP-OES (Quantitative)

Analysis Date: N/A

PESTICIDE RESIDUE TEST- WI-002 GC/MS (Qualitative)

Analysis Date: N/A

RESIDUAL SOLVENT TEST- WI-004 GC-FID

Analysis Date: N/A

VISUAL INSPECTION

PASS

Analysis Date: 06/25/2020

N.D. = Non-Detected Values are below the method detection limit

* = Value reported is between the calculated reporting limit (0.2% or 2 mg/g) and the calculated method detection limit (0.10% or 1.0 mg/g)

MDL= Method Detection Limit (0.1% or 1.0 mg/g)

N.D. = Terpene Levels below 100 ug/g

PASS/FAIL = Illinois Register - Illinois Department of Agriculture - Compassionate use of Medical Cannabis Pilot Program

HEAVY METALS (ppm) = Pb <0.5; As <0.2 Inhaled, <1.5 Other; Hg <0.1 Inhaled, <3.0 Other; Cd <0.2 Inhaled, <0.5 Other; Cr <0.6 Inhaled, <2.0 Other

Lab Information

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Signature- Lindsay Keck
Lindsay Keck, Laboratory Manager