



Genesis Testing Labs
 1620 South Main St, Unit A
 Grove, OK 74344
 (918)791-3460
 OMMA # LAAA-EKZ6-UNEB

Certificate of Analysis

Client Name Lettuce Head Labs LLC **License Number** PAAA-4KSL-N4QY
Address 19303 S 145th E Ave **Phone** 918-946-3135
 Bixby, OK 74008
Sample ID SA-021821-5879 **Sample Type** Concentrate
Strain Mac & Cream Crumble **Sample Batch #** LHL-TTL-MaCrm-LRC-020121

| Summary of Results | | | |
|--------------------------------|--------------------|------------------------|-----------------|
| Potency Profile | | Terpene Profile | |
| Cannabinoid | Result mg/g | Terpene | Result % |
| CBDV | - | Camphene | 0.0543771 |
| CBDA | 2.3064 | Myrcene | 0.178451 |
| CBN | - | β-pinene | 0.561616 |
| CBD | - | 3-Carene | - |
| CBGA | 16.17 | Delta-limonene | 1.89444 |
| CBG | 13.2155 | Cymene | - |
| THCV | 1.43098 | β-Ocimene | 0.0154882 |
| Δ9-THC | 47.2391 | Eucalyptol | - |
| Δ8-THC | - | γ-Terpinene | - |
| THCA | 1118.66 | α-Terpinene | - |
| CBC | - | Terpinolene | - |
| Total THC % | 102.83% | Linalool | 0.342256 |
| Total THC mg/g | 1028.3 | Isopulegol | 0.438215 |
| Microbiological Profile | | Geraniol | - |
| All Results | Pass | β-Caryophyllene | 1.80623 |
| Mycotoxin Screening | | Humulene | 0.465657 |
| All Results | Pass | Nerolidol | 0.257407 |
| Residual Solvents | | Guaiol | - |
| All Results | Pass | Caryophyllene oxide | 0.120034 |
| Heavy Metals Screening | | α-Bisabolol | 0.395455 |
| All Results | Pass | Total Terpene % | 6.52963 |
| Pesticide Screening | | | |
| All Results | Pass | | |
| Water Activity | | | |
| All Results | NT | | |

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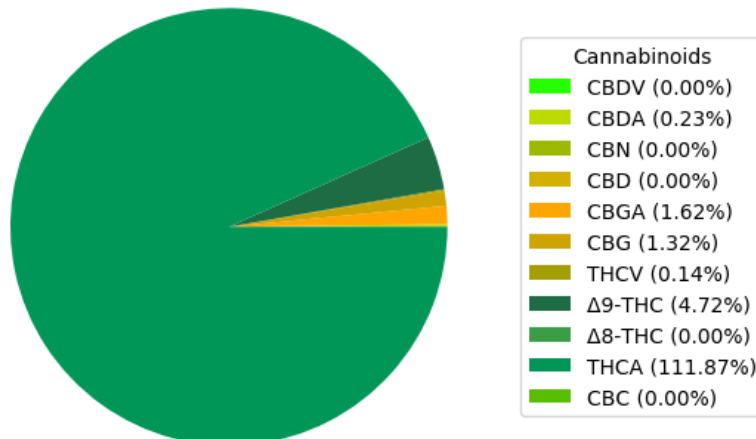
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Potency

Date Analyzed: **Date Completed:** 03/02/2021 **Batch #:** BA-030221-917
Instrument: Agilent 1100 HPLC **Method:** Internal Method 1 **Lab Tech:** Audrey Krabacher

| Cannabinoid | Result % | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) |
|---------------------------|----------|---------------|------------|------------|
| CBDV | ND | ND | - | 1.000 |
| CBDA | 0.2306 | 2.3064 | - | 1.000 |
| CBN | ND | ND | - | 1.000 |
| CBD | ND | ND | - | 1.000 |
| CBGA | 1.617 | 16.17 | - | 1.000 |
| CBG | 1.3216 | 13.2155 | - | 1.000 |
| THCV | 0.1431 | 1.4310 | - | 1.000 |
| Δ9-THC | 4.7239 | 47.2391 | - | 1.000 |
| Δ8-THC | ND | ND | - | 1.000 |
| THCA | 111.866 | 1118.66 | - | 1.000 |
| CBC | ND | ND | - | 0.885 |
| % Moisture | NT | | | |
| Total Cannabinoids | 119.902 | 1199.02 | | |
| Total CBD | 0.2023 | 2.0227 | | |
| Total THC | 102.83 | 1028.3 | | |

Cannabinoid Distribution (%)



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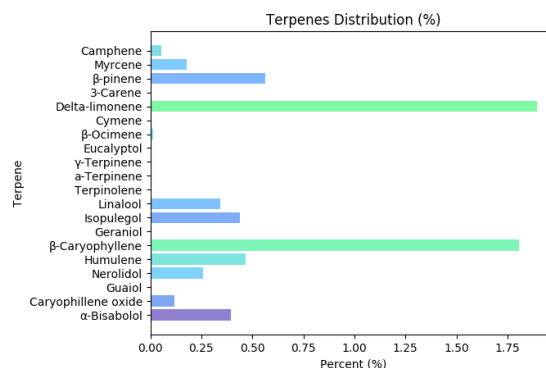
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Terpenoid

Date Analyzed: **Date Completed:** 03/02/2021 **Batch #:** BA-030121-911
Instrument: Terpenes by Direct Injection **Method:** Internal Method 1 **Lab Tech:** John Boyle

| Terpene | Result (mg/g) | Result (%) | LOD (ug/g) | LOQ (ug/g) |
|----------------------------|----------------|---------------|------------|-------------|
| Camphene | 0.5438 | 0.0544 | - | 0.000004600 |
| Myrcene | 1.7845 | 0.1785 | - | 0.000004600 |
| β-pinene | 5.6162 | 0.5616 | - | 0.000004600 |
| 3-Carene | ND | ND | - | 0.000004600 |
| Delta-limonene | 18.9444 | 1.8944 | - | 0.000004600 |
| Cymene | ND | ND | - | 0.000004600 |
| β-Ocimene | 0.1549 | 0.0155 | - | 0.000004600 |
| Eucalyptol | ND | ND | - | 0.000004600 |
| γ-Terpinene | ND | ND | - | 0.000004600 |
| α-Terpinene | ND | ND | - | 0.000004600 |
| Terpinolene | ND | ND | - | 0.000004600 |
| Linalool | 3.4226 | 0.3423 | - | 0.000004600 |
| Isopulegol | 4.3822 | 0.4382 | - | 0.000004600 |
| Geraniol | ND | ND | - | 0.000004600 |
| β-Caryophyllene | 18.0623 | 1.8062 | - | 0.000004600 |
| Humulene | 4.6566 | 0.4657 | - | 0.000004600 |
| Nerolidol | 2.5741 | 0.2574 | - | 0.000004600 |
| Guaiol | ND | ND | - | 0.000004600 |
| Caryophyllene oxide | 1.2003 | 0.1200 | - | 0.000004600 |
| α-Bisabolol | 3.9545 | 0.3955 | - | 0.000004600 |
| Total Terpenes (%): | 65.2963 | 6.5296 | | |



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Foreign Materials

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Microscope **Method:** Internal Method 1 **Lab Tech:** Ethanie Gillum

| Analyte | Result (%) | Threshold (%) | Pass/Fail |
|--------------------------------|------------|---------------|-----------|
| Sand, Soils, Cinders, and Dirt | ND | N/A | |
| Imbedded Foreign Material | ND | N/A | |
| Insect Fragment | ND | N/A | |
| Hair | ND | N/A | |
| Mammalian Excreta | ND | N/A | |

Heavy Metals

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: HPLC-ICP/MS QQQ (Agilent 1260 and 7900) **Method:** Internal Method 1 **Lab Tech:** John Boyle

| Analyte | Result (ppm) | LOD (ppm) | LOQ (ppm) | Threshold (ppm) | Pass/Fail |
|---------|--------------|-----------|-----------|-----------------|-----------|
| Cadmium | ND | 0.50 | - | 0.4 | Pass |
| Lead | ND | 0.50 | - | 1.0 | Pass |
| Arsenic | ND | 0.50 | - | 0.4 | Pass |
| Mercury | ND | 0.50 | - | 0.2 | Pass |

Microbial Analysis

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Binder Incubator and Hardy Wizard Reader **Method:** Hardy Compact Dry **Lab Tech:** Ethanie Gillum

| Bacteria/Fungus | Result (CFU/g) | LOD (CFU/g) | LOQ (CFU/g) | Threshold (CFU/g) | Pass/Fail |
|----------------------------|----------------|-------------|-------------|-------------------|-----------|
| Escherichia Coli (E. Coli) | ND | 1.00 | 1.00 | 1 | Pass |
| Yeast/Mold | ND | 10000.00 | 1.00 | 10,000 | Pass |
| Salmonella spp | ND | 1.00 | 1.00 | 1 | Pass |
| Aspergillus fumigatus | ND | 1.00 | | 1 | Pass |
| Aspergillus terreus | ND | 1.00 | | 1 | Pass |
| Aspergillus flavus | ND | 1.00 | | 1 | Pass |
| Total Plate Count | ND | 10000.0 | | 10000 | Pass |

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Mycotoxins

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Mycotoxin Fluorometer **Method:** Internal Method 1 **Lab Tech:** Ethanie Gillum

| Mycotoxin | Result (ppb) | LOD (ppb) | LOQ (ppb) | Threshold (ppb) | Pass/Fail |
|--------------|--------------|-----------|-----------|-----------------|-----------|
| Aflatoxin B1 | ND | 2.00 | 2.00 | | |
| A. B2 | ND | 2.00 | 2.00 | 20 | Pass |
| A. G1 | ND | 2.00 | 2.00 | | |
| A. G2 | ND | 2.00 | 2.00 | | |
| Ochratoxin A | 1.8 | 3.00 | 3.00 | 20 | Pass |

Pesticide Profile

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Agilent LC/MS QQQ **Method:** Internal Method 1 **Lab Tech:** John Boyle

| Pesticide | Result (ppm) | LOQ (ppm) | Threshold (ppm) | Pass/Fail |
|---------------|--------------|-----------|-----------------|-----------|
| Abamectin | ND | 0.1 | 0.5 | Pass |
| Azoxystrobin | ND | 0.1 | 0.2 | Pass |
| Bifenazate | ND | 0.1 | 0.2 | Pass |
| Etoxazole | ND | 0.1 | 0.2 | Pass |
| Imazalil | ND | 0.1 | 0.2 | Pass |
| Imidacloprid | ND | 0.1 | 0.4 | Pass |
| Malathion | ND | 0.1 | 0.2 | Pass |
| Myclobutanil | ND | 0.1 | 0.2 | Pass |
| Permethrin | ND | 0.1 | 0.2 | Pass |
| Spinosad | ND | 0.1 | 0.2 | Pass |
| Spiromesifen | ND | 0.1 | 0.2 | Pass |
| Spirotetramat | ND | 0.1 | 0.2 | Pass |
| Tebuconazole | ND | 0.1 | 0.4 | Pass |

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Residual Solvents

PASS

Date Analyzed: **Date Completed:** 03/02/2021
Instrument: Agilent GC/MS w/Headspace Autosampler **Method:** Internal Method 1 **Lab Tech:** Audrey Krabacher

| Solvent | Result (ppm) | LOD (ppm) | LOQ (ppm) | Threshold (ppm) | Pass/Fail |
|------------------------------------|--------------|-----------|-------------|-----------------|-----------|
| Isopropyl alcohol | ND | - | 0.000081000 | 1000 | Pass |
| Acetone | ND | - | 0.000081000 | 1000 | Pass |
| Benzene | ND | - | 0.000081000 | 2 | Pass |
| Butane | ND | - | 0.000081000 | 1000 | Pass |
| Heptane | ND | - | 0.000081000 | 1000 | Pass |
| n-Hexane | ND | - | 0.000081000 | 60 | Pass |
| n-Pentane | ND | - | 0.000081000 | 1000 | Pass |
| Propane | ND | - | 0.000081000 | 1000 | Pass |
| Toluene | ND | - | 0.000081000 | 180 | Pass |
| Total xylenes (m, p, o-xylenes) | ND | - | 0.000081000 | 430 | Pass |

Anthony Brixey

James Rhudy

Reviewed By: Anthony Brixey
 03/02/2021

Approved By: James Rhudy
 03/02/2021