



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-021821-5861 **Sample Type** Concentrate
Strain Mimosa Budder **Sample Batch #** LHL-Mimo-LRB-020121

Summary of Results	
Potency Profile	
Cannabinoid	Result mg/g
CBDV	-
CBDA	21.5045
CBN	-
CBD	-
CBGA	7.72072
CBG	-
THCV	3.05405
Δ9-THC	82.8198
Δ8-THC	-
THCA	896.838
CBC	-
Total THC %	86.9347%
Total THC mg/g	869.347
Microbiological Profile	
All Results	Pass
Mycotoxin Screening	
All Results	Pass
Residual Solvents	
All Results	Pass
Heavy Metals Screening	
All Results	Pass
Pesticide Screening	
All Results	Pass
Water Activity	
All Results	NT
Terpene Profile	
Terpene	Result %
Camphene	-
Myrcene	0.383532
β-pinene	0.0160901
3-Carene	-
Delta-limonene	0.0476577
Cymene	-
β-Ocimene	0.0314955
Eucalyptol	-
γ-Terpinene	-
α-Terpinene	-
Terpinolene	0.000216216
Linalool	0.0205586
Isopulegol	0.0393333
Geraniol	-
β-Caryophyllene	0.236703
Humulene	0.0613874
Nerolidol	0.0277477
Guaiol	0.00944144
Caryophyllene oxide	0.0347387
α-Bisabolol	0.0368288
Total Terpene %	0.94573

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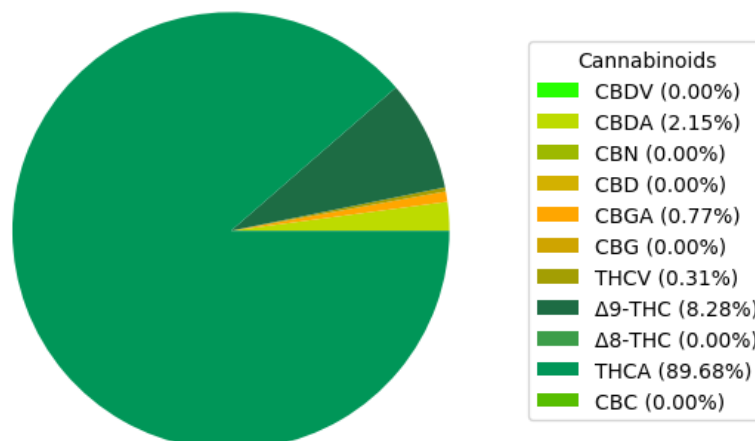
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Sample ID	SA-021821-5861	Sample Type	Concentrate
Strain	Mimosa Budder	Sample Batch #	LHL-Mimo-LRB-020121

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	2.1505	21.5045	-	1.000
CBN	ND	ND	-	1.000
CBD	ND	ND	-	1.000
CBGA	0.7721	7.7207	-	1.000
CBG	ND	ND	-	1.000
THCV	0.3054	3.0541	-	1.000
Δ9-THC	8.2820	82.8198	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	89.6838	896.838	-	1.000
CBC	ND	ND	-	0.885
% Moisture	NT			
Total Cannabinoids	101.194	1011.94		
Total CBD	1.8859	18.8594		
Total THC	86.9347	869.347		

Cannabinoid Distribution (%)



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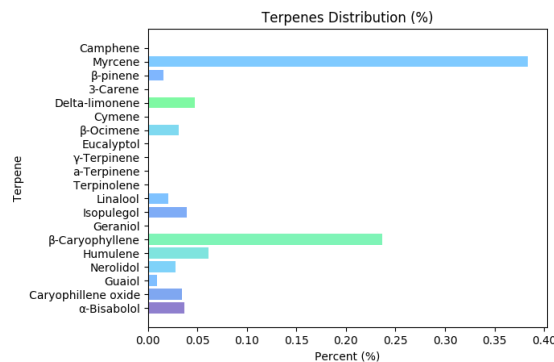
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Strain	Mimosa Budder	Sample Batch #	LHL-Mimo-LRB-020121

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	ND	ND	-	0.000004600
Myrcene	3.8353	0.3835	-	0.000004600
β-pinene	0.1609	0.0161	-	0.000004600
3-Carene	ND	ND	-	0.000004600
Delta-limonene	0.4766	0.0477	-	0.000004600
Cymene	ND	ND	-	0.000004600
β-Ocimene	0.3150	0.0315	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	ND	ND	-	0.000004600
α-Terpinene	ND	ND	-	0.000004600
Terpinolene	0.0022	0.0002	-	0.000004600
Linalool	0.2056	0.0206	-	0.000004600
Isopulegol	0.3933	0.0393	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	2.3670	0.2367	-	0.000004600
Humulene	0.6139	0.0614	-	0.000004600
Nerolidol	0.2775	0.0277	-	0.000004600
Guaiol	0.0944	0.0094	-	0.000004600
Caryophyllene oxide	0.3474	0.0347	-	0.000004600
α-Bisabolol	0.3683	0.0368	-	0.000004600
Total Terpenes (%):	9.4573	0.9457		



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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